

**PACIFIC SALMON COMMISSION
JOINT NORTHERN BOUNDARY TECHNICAL
COMMITTEE REPORT**

**U.S./CANADA NORTHERN BOUNDARY AREA
2008 SALMON FISHERIES MANAGEMENT REPORT
AND 2009 PRELIMINARY EXPECTATIONS**

REPORT TCNB (09)-1

January 2009

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EXECUTIVE SUMMARY

This report reviews:

- 1) catch, effort, and management actions in the 2008 Northern Boundary Area troll and net fisheries of southern Southeast Alaska Districts 101 to 108 and northern British Columbia Areas 1, 3, 4, and 5;
- 2) management performance relative to Treaty requirements for pink salmon;
- 3) preliminary expectations and fishing plans for 2009.

Historical catch and effort data by district or area, gear, species, and week are no longer reported annually in this report. They can be referenced in *Pacific Salmon Commission, Northern Boundary Technical Committee Report, U.S. / Canada Northern Boundary Area 1999 Salmon Fisheries Management Report and 2000 Preliminary Expectations*. Report TCNB (01)-1, January 2001. If these historical numbers are modified, they will be added as an appendix in a future annual report.

2008 Fisheries

The southern Southeast Alaska pink salmon harvest was 13.6 million (Districts 1-8, all harvest code, all gear), slightly over half the 10-year average of 26.4 million. The 2008 pink salmon harvest for all of Southeast Alaska and Yakutat was 16 million, below the preseason forecast of 19 million pink salmon but within the 80% C.I. forecast range of 10-34 million. Formal forecasts are not made for sub-regions, or for species other than pink salmon in Southeast Alaska.

The total 2008 Southeast Alaska pink salmon escapement index of 9.6 million index fish ranked 23rd since 1960—the lowest since 1990, and just over half of the recent 10-year average of 17.1 million. Biological escapement goals are in place for three sub-regions in Southeast Alaska. Although escapement goals were reached for Southern Southeast and Northern Southeast Outside sub-regions, runs were extremely poor in Northern Southeast Inside sub-region (inside waters north of Sumner Strait), and the escapement goal was not reached for the first time since 1988. The Southern Southeast sub-region includes all of the area from Sumner Strait south to Dixon Entrance (Districts 1-8). The pink salmon harvest of 13.6 million in the Southern Southeast sub-region was 48% below the recent 10-year average; however, the escapement index value of 6.4 million fell within the escapement goal range of 3.0 to 8.0 million index fish, and escapements indices were within or exceeded management targets for all but District 8 and for 5 of 18 pink salmon stock groups in this sub-region.

Sockeye salmon catches in Alaska boundary area gillnet and purse seine fisheries were well below average in 2008.

Returns of North Coast sockeye stocks were highly variable. The preliminary Nass sockeye Total Return to Canada (TRTC) estimate of 317,209 was below the pre-season estimate of 350,000. Meanwhile, the Skeena total return estimate of 2.1 million was much better than the pre-season

projected return estimate of 1.3 million. Pink and chum returns, on the other hand, were well below the poor pre-season return estimates for the entire north coast region.

North coast marine and in-river commercial sockeye management considerations included: aggregate Skeena sockeye abundance, Skeena sockeye stocks of concern as well as the abundance of other Skeena salmon species and steelhead. An Area 4 pilot quota sockeye and pink salmon seine demonstration fishery was initiated in 2008 in an attempt to provide more economical seine fishing opportunities. The First Nations in-river economic opportunity demonstration sockeye fishery took place in the Skeena River with sockeye being allocated to in-river fishing sites through gillnet and seine licence transfers. These fisheries were carried out using selective beach seine and dip-netting methods with retention limited solely to sockeye. In addition, due to an in-season Skeena sockeye escapement estimate in excess of the spawning requirement, up-river First Nations were provided with harvesting opportunities through the Escapement Surplus to Spawning Requirement (ESSR) program. Most ESSR harvesting took place within the Babine watershed to harvest abundant Fulton and Pinkut River enhancement facilities origin sockeye. The Nass area Nisga'a First Nation curtailed all in-river sockeye sales fisheries in response to low escapement levels.

In Canadian Area 1 no terminal net fisheries occurred as no surpluses were identified.

Very poor Area 3 pink and chum and poor Nass sockeye returns resulted in limited net fishing opportunities in Area 3. As in previous years, steelhead was a restricted species for both net fleets. Concerns for local chum stocks resulted in a live release request for gillnets and a non-possession/non-retention restriction for seines. In addition, concerns for local coho stocks resulted in a non-possession/non-retention restriction for both seine and gillnet fleets and no Area 3 troll opportunities. The seine fleet was also restricted from retaining or possessing Chinook salmon. The Area 3 gillnet and seine hauled sockeye catches of 33,948 and 5,175, respectively, were slightly below pre-season expectations. Even with relatively poor expectations for 2008, catches of pink salmon by gillnets (9,282) and seines (11,180) were well below the anticipated harvest. These results equate to the worst pink salmon catches by the Area 3 net fleet in recent history. In response to poor pink salmon returns the net fishing season in Area 3 was terminated 27 July. Total fishing effort amounted to 579 boat days over 7 openings for gillnets while the seine fleet fished 61 boat days of effort during 4 openings. Poor sockeye returns resulted in a limited Nisga'a commercial harvest in the marine environment but no in-river commercial harvests were permitted. The commercial Nisga'a sockeye harvest was 17,728 pieces.

The final sockeye escapement estimate to the Nass was 218,075, which was slightly above target. The Meziadin River escapement of 150,396 was below both the decadal average (183,000) and escapement target (160,000) to the most productive sockeye system in the Nass drainage. Pink and chum escapements to Area 3 were well below target levels for all stocks with total escapement estimates of 58,742 and 14,649, respectively.

Area 3 gillnet: sockeye – 36,506, pink – 10,392, chum – 14,714, Chinook – 443

Area 3 seine: sockeye – 5,173, pink – 11,180

Nass sockeye escapement – 218,075

Nass Pink escapement – 12,346

Nass Chum escapement – 682

Area 4 net fisheries were implemented in a similar manner to Area 3 with steelhead, chum and coho being restricted species for both net fleets, though gillnets were also restricted to non-possession/non-retention of chum. Late in-season measures were implemented in response to poor pink salmon returns. In addition, the seine fleet was restricted from retaining or possessing Chinook salmon. The terminal gillnet Chinook terminal fishery was operated according to previous years with 2 openings (total fishing time of 48 hours) targeting Skeena Chinook. Total Chinook hailed catch for the 2 openings was 3,184 pieces. The gillnet and seine sockeye hailed catches of 497,320 and 195,938, respectively, were above pre-season expectations due to stronger than anticipated in-season Skeena sockeye return estimates. For gillnets, there was a total of 9.3 equivalent fishing days (total hours open divided by 24 hours) for a total of 2,266 gillnet boat days effort compared to the 1990-99 average of 19.7 equivalent fishing days and 8,705 gillnet boat days. Seines were managed according to an experimental pilot quota fishery system for sockeye and pink salmon. In addition, brail and sort and operational live box restrictions were associated with this fishery, though fishing was not restricted to daylight hours according to quota fishery rules. Daily fleet sizes of between 11 and 29 seines participated in this fishery with a resulting catch of 195,938 sockeye and 91,767 pink salmon for the three week fishing period. As the season progressed it became apparent the Skeena pink return was much weaker than forecast, resulting in cessation of net fishing in Week 32. The final fishing date for seines was 6 August, while the final opening for the gillnet fleet was 7 August. The Skeena sockeye escapement estimate of 958,295 is slightly above the spawning target of 900,000. The Skeena pink escapement of approximately 50,000 and chum escapement estimate of 510 were the lowest recorded escapement estimates for both species.

Area 4 gillnet: sockeye – 497,320, pink – 63,544, Chinook – 5,236

Area 4 seine: sockeye – 195,938, pink – 91,767

Skeena sockeye escapement – 958,295

Skeena Pink escapement – 49,741

Skeena Chum escapement – 510

In Area 5 net fisheries regulations and management followed that of Area 4. Pre-season pink and sockeye salmon expectations called for no seine opportunities for local pinks and a very limited Skeena sockeye opportunity for both gillnets and seines. All openings were very poorly attended, with corresponding poor catches.

Area 5 gillnet sockeye – 1,794, pink – 303, Chinook – 7

Area 5 seine sockeye – 572, pink – 237

Area 5 sockeye escapement – 2,600

Area 5 pink escapement – 22,049

Area 5 chum escapement – 2,141

The Area 1 pink-directed troll fishery was open from 1–24 July along the A-B line strip. In addition, pink salmon were open to retention on June 15 in conjunction with the Chinook ITQ Demonstration fishery and remained open to retention along northern half of Dixon Entrance until September 3. Troll effort in Area 1 concentrated mainly on Chinook and coho salmon, with little effort being directed on pink salmon due to poor returns and low prices compared to coho and Chinook. The preliminary estimated pink catch in Area 1 was 31,360.

MANAGEMENT PERFORMANCE

The June 1999 revision of the Pacific Salmon Treaty restructured the agreements for the Northern Boundary area fisheries – Alaska District 104 purse seine, Alaska District 101 drift gillnet, Canadian Area 3 net, and Canadian Area 1 troll. The agreements are “abundance based” where the allowable harvest is a percentage of the Annual Allowable Harvest (AAH). The AAH is the total return of applicable stocks minus the lesser of: 1) the actual escapement, or 2) the escapement goal. Catches over or under the AAH are summed over the ten year period of the agreement allow for annual variation.

In Alaska’s District 104 purse seine fishery, the Nass and Skeena sockeye run size determines the AAH of these stocks prior to Statistical Week 31. In Alaska’s District 101 gillnet fishery, the AAH is based solely on the run size of Nass River sockeye salmon. The run size of Alaskan pink salmon returning to Districts 101-103 determines the allowable harvests of these stocks in Canada’s Area 3 (1-4) net and Area 1 troll fisheries.

In the District 101 (Tree Point) drift gillnet fishery, the agreement specifies a harvest of 13.8 percent of the AAH of the Nass River sockeye run. For the 2008 season, DFO forecast a total run of about 479,000 Nass River sockeye salmon. The AAH is calculated as the total run of Nass sockeye salmon minus either the escapement requirement of 200,000 or the actual in-river escapement, whichever is less.

The District 101 drift gillnet fishery opens by regulation on the third Sunday in June. During the early weeks of the fishery, management is based on the run strength of Alaska wild stock chum and sockeye salmon and on the strength of the Nass River sockeye salmon. Beginning in the third week of July, when pink salmon stocks begin to enter the fishery in large numbers, management emphasis shifts by regulation to that species. By regulation, the District 101 Pink Salmon Management Plan sets gillnet fishing time in this district in relation to the District 101 purse seine fishing time when both fleets are concurrently harvesting the same pink salmon stocks. The cumulative sockeye harvest prior to the initiation of the Pink Salmon Management Plan in Week 30 was 22,316 fish, or about 65% of the season's total sockeye harvest.

In the District 104 purse seine fishery the agreement specifies a harvest, from the beginning of the season through Statistical Week 30, of 2.45% of the combined AAH of both the Nass and Skeena River runs. The fishery opens the first Sunday in July; in 2008 the initial opening was July 1 (Week 27) The 2008 pre-Week 31 fishing plan for District 104 was based on returns of local Alaskan stocks as well as the Canadian Department of Fisheries and Oceans (DFO) preseason forecast

returns of about 479,000 Nass River sockeye salmon and about 1.27 million Skeena River sockeye salmon. The preseason forecasts result in a total projected return of 1.75 million Nass and Skeena sockeye which, minus an escapement goal of 1.1 million, would result in an AAH of about 650,000. Using this forecast, the 2008 pre-Week 31 annual allowable harvest was approximately 16,000 Nass and Skeena sockeye salmon.

For the year 2008, Canada was to manage the 3-1 to 3-4 net fishery to achieve an annual catch share of 2.49 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon production. The AAH for 2008 was 14,712,616 providing a Canadian catch allowance (2.49 %) of 365,455 of Alaskan Districts 101, 102 and 103 origin pink salmon. The Canadian pink catch in 2008 in Sub-areas 3-1 to 3-4 was 9,608 and the Alaska stock component of this is estimated to be 8,330, or 0.06% of the AAH. The Canadian harvest was 358,014 under the target catch. The Canadian pink returns were much poorer than expected, and escapements to the Skeena and Nass areas were well below targets.

Pink escapements in 2008 were 58,742 in Area 3 and 65,181 in the Skeena region.

In addition, Canada was to manage the commercial troll fishery in Area 1 to achieve an annual catch share of 2.57 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon production. The AAH for 2008 was 14,712,616 providing a Canadian catch allowance (2.57%) of 378,114 pink salmon (see text table below). The Canadian commercial troll fishery in Area 1 harvested a total of 31,360 pink salmon, of which 29,295, or 0.20% of the AAH, were estimated to be of Alaskan origin. The Canadian harvest was 348,820 under the target catch

2009 Forecast

The Southeast Alaska pink salmon harvest in 2009 is predicted to be strong, with a point estimate of 41 million fish (80% confidence interval: 30–53 million fish). A harvest of 41 million pink salmon would be slightly below the recent 10-year average harvest of 44 million pink salmon. The parent-year escapement in 2007 appears to have been ample to provide a strong total return in 2009 if marine conditions were favourable. The brood-year escapement indices for the Southern Southeast sub-region exceeded the biological escapement goal ranges. Over the past 10 years, the average distribution of the pink salmon harvest has been 58% in Southern Southeast Alaska and 42% in Northern Southeast Alaska. Formal forecasts are not made for species other than pink salmon in Southeast Alaska.

The 2009 Nass sockeye Total Return to Canada (TRTC) is estimated to be 517 thousand. For the Skeena, the sibling model forecast predicts a 50% probability of approximately 2 million sockeye returning to the Skeena in 2008, with a 25% probability of the return exceeding 3 million and a 75% probability the return will exceed 1.34 million. As a result, Skeena sockeye harvest opportunities are anticipated to be minimal. The Nass area pink return prediction of 2.75 million will provide a local surplus of approximately 2.4 million Area 3 pinks for harvest while an anticipated return of 1.9 million Area 4 pink will provide a below average surplus of 200,000 for harvest.

INTRODUCTION

This report reviews the 2008 Boundary Area pink, chum, coho, and sockeye salmon gillnet and purse seine fisheries of southern Southeast (SSE) Alaska and Northern British Columbia and outlines preliminary expectations and fishing plans for 2009. The document is submitted to the Pacific Salmon Commission as required in Article IV of the Pacific Salmon Treaty. Weekly catch and effort data is provided by opening, district or area, gear, and species (sockeye, pink, chum, coho, and Chinook salmon) for Northern Boundary Area fisheries for 2008. Sub-area catch data is also presented for all salmon species for Canadian Area 3. Canadian Area 3 and Area 4 gillnet and purse seine catch data for 2008 are based on sales slip information rather than hail catch data, as in the past. Maps showing the statistical fishing districts or areas for southern Southeast Alaska and Northern British Columbia are provided in Figures 1 to 4.

SOUTHERN SOUTHEAST ALASKA

2008 Salmon Forecast

The 2008 pink salmon harvest in Southeast Alaska was expected to be weak to average. The Alaska Department of Fish and Game's forecast was for a total Southeast Alaska harvest of 19 million, with a forecast range of 10 to 34 million (80% confidence interval). Formal forecasts were not made for sub-regions or for species other than pink salmon in Southeast Alaska.

Review of the 2008 Fishing Season

Commercial fisheries harvested 16.2 million salmon in southern Southeast Alaska in 2008. This total includes Traditional, Hatchery Terminal Harvest Area, and Annette Island Reserve fisheries; purse seine, drift gillnet, and troll gear; in Districts 101 through 108, 150, and 152. The harvest was comprised of 13.6 million (84%) pink salmon, 1.6 million (10%) chum, 176,000 (1%) sockeye, 811,000 (5%) coho, and 50,000 (0.3%) Chinook salmon. Historical catch and effort data by district, gear, species, and week will no longer be reported each year. They can be referenced in *Pacific Salmon Commission, Northern Boundary Technical Committee Report, U.S. / Canada Northern Boundary Area 1999 Salmon Fisheries Management Report and 2000 Preliminary Expectations*. Report TCNB (01)-1, January 2001. If historical numbers are modified, they will be added as an appendix in a future annual report.

Districts 101, 102, and 103 Purse Seine Fisheries

The management of the southern Southeast Alaska inside purse seine fishery was based on inseason pink salmon returns to Districts 101 through 107. Exceptions to this management scheme were: 1) an early season opening in lower District 102 to target Southern Southeast Regional Aquaculture Association's (SSRAA) Kendrick Bay summer chum salmon; and 2) District 102 and 103 fisheries directed on fall chum salmon. The Chinook salmon retention period in boundary area purse seine

fisheries began Thursday, August 14, 2008.

District 101 Purse Seine Fishery

The Alaska District 101 purse seine fishery opened July 6, 2008 for the first of 13 fishing periods (Table 1). In the initial week (statistical week 28) 12 boats fished a 15-hour opening catching below treaty period average (1985-2007) numbers of pink and chum salmon. In week 29 the catches of pink and chum salmon increased in the initial 15-hour opening so the fishery was opened for a second 15-hour opening on Thursday July 17 but catches dropped significantly. Slowly developing pink and chum salmon returns resulted in single 15 hour openings in weeks 30 and 31. As pink salmon returns slowly increased the fishery was open in week 32 (beginning August 3) for two 15-hour periods resulting in a below average pink salmon catch of 265,000. Two 39-hour openings in both weeks 33 and 34 resulted in slightly above average pink salmon catches of 1.3 million and 916,000 respectively while chum salmon catches remained below average. Pink salmon catches declined to slightly below average in the final two 39-hour openings in week 35 after which the fishery closed for the season on August 31.

A total of 86 purse seine vessels fished in District 101 in 2008, 56% of the treaty period average of 155. The fishery was open for a total of 339 hours which was 70% of the average of 481.

The 2008 District 101 purse seine seasonal pink salmon catch of approximately 3 million was 51% of the 1985-2007 treaty period average of 5.9 million. Except for weeks 33 and 34, catches of pink salmon were below average throughout the season.

The District 101 purse seine sockeye salmon catch of 6,900 was 6% of the 1985-2007 average of 113,000. There were no purse seine openings in 2008 targeting McDonald Lake sockeye salmon in the upper West Behm Canal portion of the district.

The District 101 purse seine chum salmon catch of 72,000 was 22% of the treaty period average of 335,000. With the exception of week 30 chum salmon catches were below average throughout the season.

The District 101 purse seine coho salmon catch of 40,000 was 106% of the treaty period average of 38,000.

The below average catch of 18 Chinook salmon was due to low abundance, an extended non-retention period, and a below average fishing effort in the district.

District 102 Purse Seine

Limited portions of District 102 near Kendrick Bay were opened in Weeks 26 and 27 to access returns of Southern Southeast Regional Aquaculture Association (SSRAA) enhanced summer chum salmon from Kendrick Bay. Eleven seine vessels fished the first opening and seventeen fished the second with catches for both weeks totaling about 35,000 chum salmon (Table 2).

The traditional seine fishery in District 102 targeting local stocks of pink salmon opened Sunday July 6 (Week 28). During the traditional fishing period there were 15 openings ranging from 15 to 63 hours in duration. The fishery was not open in week 31 due to slowly developing returns of pink and chum salmon. Directed pink salmon harvest ended August 31. Limited portions of District 102 reopened to target fall chum salmon in Weeks 37 and 38. The fishery closed for the season on September 18. A total of 104 purse seine vessels fished District 102 at some time during the season, 66% of the treaty period average of 158. The district was open to fishing a total of 609 hours, 62% of the treaty period average of 982.

The District 102 purse seine catch of 2.4 million pink salmon was 56% of the treaty period average of 4.3 million. Weekly pink salmon catches were below average throughout the season.

Chum salmon catches in the District 102 purse seine fishery were above average in the early portion of the season but below average from mid-season on. Approximately 4,000 fall chum salmon were harvested in fall chum openings (Weeks 37-38) in the middle portion of the district. The total season catch of 296,000 chum salmon was 71% of the treaty period average of 417,000. The District 102 sockeye catch of 10,000 was 23% of the treaty period average of 43,000 while the coho catch of 34,000 was 71% of the average of 49,000. The Chinook salmon catch of 6 was 1% of the average of 402.

District 103 Purse Seine

The District 103 purse seine fishery initially opened Thursday July 24th (week 30) for the first of 12 openings, ranging from 12 to 39 hours each. After the summer fishery closed in week 36 a portion of District 103 reopened for a 12 hour opening in both Weeks 37 and 38 to harvest fall chum salmon before closing September 15. A total of 117 purse seine vessels fished in District 103, 90% of the 1985-2007 treaty period average of 130. The district was open for a total of 318 hours, 81% of the treaty average of 394.

The District 103 purse seine pink salmon catch of 2.7 million was 66% of the treaty period average of 4.1 million. Pink salmon catches in the district were above average in week 34 (August 17-23) but below average in all other weeks. Sockeye catches were below average throughout the season, the catch of 5,000 was 23% of the treaty period average of 24,000. Coho catches of 37,000 were 121% of the average of 30,000. While chum catches were below average early in the season they rose to above average in weeks 33 and 34 before falling to slightly below average for the remainder of the season. The total season chum salmon catch of 156,000 was 131% of the average of 119,000. The catch of fall chum salmon in weeks 37 and 38 totaled about 4,000. The Chinook salmon catch of 40 was 14% of the treaty period average of 290.

District 104 Purse Seine Fishery

The 2008 pre-Week 31 fishing plan was based on the DFO preseason forecast total returns of about 479,000 Nass River sockeye and 1.27 million Skeena River sockeye salmon. The preseason forecasts resulted in a total projected return of about 1.75 million which, minus an escapement goal

of 1.1 million, would result in an AAH of about 650,000. Using this forecast, the 2008 pre-Week 31 allowable catch (2.45% of the AAH) was about 16,000 Nass and Skeena sockeye salmon. The actual AAH will be calculated post-season after stock specific catch and escapement estimates are calculated.

The catch of all salmon as well as the number of purse seine vessels fishing in District 104 were below average in 2008 (Table 4). A total of 6,262 sockeye were caught in District 104 during the 2008 treaty period including; 1) an 8-hour opening in week 28 where three boats caught 376 sockeye, 2) an 10-hour opening in week 29 where seven boats caught 2,531 sockeye, and 3) a 15-hour opening in week 30 where sixteen boats caught 3,355. In past years 60% to 80% of treaty-period sockeye have been of Nass and Skeena origin. Thus, we would anticipate that between 3,800 and 5,000 Nass and Skeena sockeye were harvested in the District 104 purse seine fishery during the treaty period. The final number of Nass and Skeena sockeye harvested, and the actual catch by stock, will not be available until catch, escapement, and stock composition estimates are finalized for the year.

There were a total of 13 open fishing periods in the 2008 District purse seine 104 fishery. In the post treaty period beginning July 27 openings included; 1) two 15-hour openings in week 31, 2) two 15-hour openings in week 32, 3) two 39 hour openings in week 33, 4) two 39-hour openings in week 34, 5) a 39-hour opening in week 35 and 6) a second 39-hour opening beginning in week 35 and ending in week 36.. The number of purse seine vessels fishing in the district dropped from 122 in 2007 to 84 in 2008 and was less than half the treaty period average of 178.

The catch of 2.8 million pink salmon in the 2008 District 104 purse seine fishery was 30% of the 1985-2007 treaty period average of 9.6 million. The total season sockeye catch of 41,000 was 7% of the average of 575,000. The catch of 69,000 coho was 52% of the average of 132,000. The catch of 99,000 chum was 27% of the average of 359,000. The catch of 469 Chinook salmon was 6% of the average of 7,500. The retention period for Chinook salmon in Southeast Alaskan purse seine fisheries began August 14.

Districts 105, 106, and 107 Purse Seine Fisheries

For the 2008 season, the combined Districts 105, 106, and 107 purse seine fisheries harvested 1.3 million pink salmon, 50,000 chum, 7,000 coho, 3,500 sockeye, and 35 Chinook salmon.

District 101 Tree Point Drift Gillnet Fishery

The June 30, 1999 PST agreement calls for abundance based management of the District 101 (Tree Point) drift gillnet fishery. The agreement specifies a harvest of 13.8 percent of the AAH of the Nass River sockeye run. For the 2008 season, DFO forecast a total return of 479,000 Nass River sockeye salmon. The AAH is calculated as the total run of Nass sockeye salmon minus either the escapement requirement of 200,000 or the actual inriver escapement, whichever is less.

The District 101 drift gillnet fishery opens by regulation on the third Sunday in June. During the early weeks of the fishery, management is based on the run strength of Alaska wild stock chum

and sockeye salmon and on the strength of the Nass River sockeye salmon. Beginning in the third week of July, when pink salmon stocks begin to enter the fishery in large numbers, management emphasis shifts by regulation to that species. By regulation, the District 101 Pink Salmon Management Plan sets gillnet fishing time in this district in relation to the District 101 purse seine fishing time when both fleets are concurrently harvesting the same pink salmon stocks. The final number of Nass River sockeye harvested at Tree Point will not be available until catch, escapement, and stock composition estimates are finalized for the 2008 season.

The District 101 drift gillnet fishery opened the third Sunday in June, which was June 15 (week 25) in 2008. The fishery was open a total of 1,512 hours, 114% of the 1985-2007 treaty period average of 1,326. The number of gillnet vessels fishing continued to decline; a total of 54 gillnet vessels fished in the district, 45% of the treaty period average of 119. The fishery closed on Thursday, October 2 (week 40).

In 2008 the District 101 gillnet catch of approximately 34,000 sockeye salmon was 24% of the 1985-2007 treaty period average of 142,000. The cumulative sockeye harvest prior to the initiation of the Pink Salmon Management Plan in Week 30 was 22,316 fish, or about 65% of the season's total sockeye harvest.

The pink salmon catch of 271,000 was 24% of the average of 551,000. Pink salmon catches were below the treaty period average throughout the season. The chum catch of 240,000 was 78% of the average of 309,000. With the exception of week 28-29, weekly chum salmon catches were below average. The coho catch of 95,992 was 230% of the treaty period average. Weekly coho catches were above average throughout the season and were particularly strong in September. The Chinook salmon catch of 1,880 was 128% of the average of 1,470.

Beginning on August 31 (week 36) the District 101 gillnet fishery was managed on the strength of fall chum and wild-stock coho salmon returns. Approximately 54,000 coho and 27,000 chum were caught in the fall fishery. The catch of fall coho was above average while the catch of fall chum was below average.

District 106 Drift Gillnet Fishery

The 2008 harvest in the District 106 commercial gillnet fishery included 870 Chinook, 30,500 sockeye, 116,000 coho, 90,000 pink, and 102,000 chum salmon. District 106 catches of all species except Chinook salmon were below the 1998-2007 average. An estimated 44% of the coho salmon harvest was of Alaskan hatchery origin.

Annette Island Reserve Fisheries

In 2008 the Annette Island purse seine fishery harvested approximately 626,000 pink salmon, 22,000 chum, 2,000 sockeye, 7,500 coho, and 52 Chinook salmon. The Annette Island gillnet fishery harvested 300,000 pink salmon, 136,000 chum, 3,800 sockeye, 40,000 coho, and 600 Chinook salmon.

Pink, Sockeye, and Chum Salmon Escapements

The 2008 southern Southeast Alaska pink salmon escapement index value of 6.4 million fell within the escapement goal range of 3.0–8.0 million index spawners. Escapement indices for southern Southeast Alaska were within or exceeded management targets for all but District 8 and for 5 of 18 southern Southeast Alaska pink salmon stock groups (Table 9). (Please note that ADF&G has recently completed work to update pink salmon escapement goals and management targets as a result of updates and changes made to the Southeast Alaska pink salmon escapement index. The information that is present here is based on the updated index and escapement goals.)

Runs of sockeye salmon were poor across the entire region in Southeast Alaska in 2008. The Hugh Smith Lake adult sockeye escapement of 3,584 was well below the escapement goal range of 8,000 to 18,000 sockeye salmon. (Note that the final stocked fish returns to Hugh Smith Lake occurred in 2007.) The escapement of sockeye salmon into McDonald Lake was estimated to be 21,000 fish, based on the expanded peak foot survey. This was the poorest recorded escapement since the lake has been monitored, and well below the current escapement goal range of 70,000 to 100,000 sockeye salmon. (Note that this goal will be expanded to 55,000 to 120,000 sockeye salmon based on recent work to improve estimates of the escapement.)

Chum salmon harvest and escapement survey information for chum salmon index streams indicated that runs to Southeast Alaska were generally below average in 2008. The total harvest of chum salmon in the region (9.0 million) ranked as the 14th largest historical harvest in Southeast Alaska; however, over the past 10 years, about 75% of the total harvest was hatchery chums. In the Northern Boundary area, the southern Southeast Alaska summer-run chum salmon escapement index of 13,000 was 86% below the long-term average, and well below the new escapement goal threshold of 68,000. The estimated escapement of summer chum salmon at Fish Creek, near Hyder, was 2,000; less than 10% of the recent 10-year average of 29,000. Fall-run systems experienced better runs. The escapement index for Cholmondeley Sound fall-run chum salmon was 47,000; right at the upper end of the new escapement goal range of 30,000–48,000 index spawners. ADF&G operated a weir at Disappearance Creek, Cholmondeley Sound, and the total escapement of fall chums was 55,000 fish.

Management Performance Relative to Treaty Requirements

District 104 Purse Seine Fishery

The June 30, 1999 revision of the Pacific Salmon Treaty Agreement calls for the implementation of abundance based management in the District 104 purse seine fishery. The agreement allows the District 104 purse seine fishery to harvest 2.45 percent of the Annual Allowable Harvest (AAH) of Nass and Skeena sockeye prior to Statistical Week 31. The AAH is calculated as the total run of Nass and Skeena sockeye salmon minus either the escapement requirement of 1.1 million or the actual in-river escapement, whichever is less.

As background, this 2.45% AAH value was based on the weighted-average percent of the Nass and Skeena sockeye AAH that would have been harvested in this fishery, during the 1985-1996 period, if the annual pre-week 31 harvest had been exactly 120,000 sockeye salmon. Catches from 1997 were not included in the baseline calculation due to unusually high levels of sockeye abundance in the fishery. The Alaska Department of Fish and Game's (ADF&G) management intent is to harvest Nass and Skeena sockeye salmon at the allowable AAH percentage. The Treaty recognizes that overages and underages will occur and provides an overage/underage provision intended to hold the Parties accountable for their catch shares but permit a reasonable degree of management flexibility.

The final targeted number of Nass/Skeena sockeye in 2008 will not be available until catch, escapement, and stock composition estimates are finalized for the year.

District 101 Tree Point Drift Gillnet Fishery

The June 30, 1999 revision of the Pacific Salmon Treaty Agreement calls for abundance based management of the District 101 (Tree Point) drift gillnet fishery. The agreement allows the District 101 gillnet fishery to harvest 13.8 percent of the Annual Allowable Harvest (AAH) of Nass River sockeye run. The AAH is calculated as the total run of Nass sockeye salmon minus either the escapement requirement of 200 thousand, or the actual in-river escapement, whichever is less.

As background, this 13.8% AAH value was based on the weighted-average percent of the Nass sockeye run that was harvested in this fishery during years 1985-1997. The ADF&G management intent is to harvest Nass sockeye salmon at the allowable AAH percentage. The Treaty recognizes that overages and underages will occur and provides an overage/underage provision intended to hold the Parties accountable for their harvest shares while permitting a reasonable degree of management flexibility.

The final targeted number of Nass sockeye will not be available until catch, escapement, and stock composition estimates are finalized for the year.

NORTHERN BRITISH COLUMBIA

2008 Salmon Forecast

Area 1 Expectations

Sockeye There are no commercially significant local sockeye stocks in Area 1.

Pink An Area 1 forecast of 935,000 pink salmon is below the abundance required to allow a fishing opportunity.

Chum A small gillnet and seine assessment fishery was expected in Masset Inlet

Area 3 Expectations

Sockeye A well below average sockeye return to Canada of 350,000 was expected to provide a very limited Area 3 net catch of 50,000 Nass River sockeye.

Pink A below average Nass pink return of 1,000,000 was expected to provide an Area 3 catch of 750,000.

Chum Area 3 chum stocks remain at or below target levels. No targeted fishing was anticipated in 3008.

Fishing Plans A very modest Area 3 sockeye and pink fishery was anticipated in 2008.

Area 4 Expectations

Sockeye The Skeena sockeye return was forecast to be 1,300,000, providing the limited net fisheries a harvest of 350,000 Skeena sockeye in 2008.

Pink A well below average Skeena pink return was forecast for 2008 as a result of low brood escapement. No pink targeted commercial fisheries were expected in 2008.

Chum Skeena chum escapements are severely depressed and there will be no targeted fisheries on chum salmon.

Fishing Plans Domestic management initiatives to respond to coho and chum conservation concerns and poor pink and sockeye returns were the key factors in developing 2008 management plans.

Area 5 Expectations

Sockeye A catch of about 5,000 Skeena and 5,000 Area 5 sockeye was anticipated for 2008.

Pink A poor brood return of local Area 5 pink returns in 2006 resulted in no surplus being predicted for harvest in 2008.

Chum Local chum stocks are depressed, and no surplus was anticipated.

Fishing Plans Area 5 fishing patterns were based largely on the abundance of local sockeye and pink stocks, Skeena coho conservation concerns, and the poor returns of Skeena pink and sockeye salmon.

Review of 2008 Fishing Season - Net and Troll Fisheries

Area 1

Management units (sub-areas) of Statistical Area 1 are outlined in Figure 3. There were no Area 1 interception or terminal net fisheries in 2008. Tables 10 and 11 summarize the 2008 Area 1 gillnet and seine fisheries.

The Area 1 troll fishery was managed considering domestic Chinook, coho and chum stocks of concern, and the PST Chinook ceiling. The Individual Transferable Quota (ITQ) system governed the harvest of all Chinook. Directed fisheries were conducted for all species except chum and sockeye and area and time restrictions were associated with each opening.

The preliminary catch estimate for the Area 1 portion (includes Area 101) of the 2008 troll fishery is 453 sockeye, 58,951 coho, 31,360 pink, 54 chum and 42,988 Chinook (Table 12).

Area 3

Management units (sub-areas) of Statistical Area 3 are outlined in Figure 5. In recent years, the Area 3 sockeye gillnet fishery has started mid-June to assess stock strength of passing Nass-bound sockeye. The first exploratory fishery of 2008 took place later than usual in response to concerns arising from the poor 2003 brood year return. Since 1994 in-season escapement estimates have been provided by the Nisga'a fishwheel operations conducted in the lower Nass River approximately five miles upstream from the old Nass test fishery site. In 2008, fishwheel operations commenced 5 June and closed for the season 6 September. This represents the normal operational timeline for the fishwheel program. In addition to the fishwheel estimates, catches in local Native food and commercial fisheries, and Canadian and Alaskan commercial fisheries are utilised in determining Nass sockeye run strength and resulting Area 3 fishing plans. Due to a small Nass sockeye return and lower than average returns of Upper Nass Chinook, no First

Nations in-river sales fisheries took place above the Gitwinksihlkw fishwheels to limit by-catch of Chinook and to ensure adequate sockeye escapement to the upper river. In addition, one fewer upper river fishwheel operated in 2008. As a result, less in-season mark-recapture data were available than recent years leading to less precise in-season sockeye estimation. However, the operation of three fishwheels versus four in the Grease Harbour canyon in 2008 still provided more data than the 1994-2000 sampling period, when only two fishwheels were operated above the Grease Harbour canyon.

In general, the Area 3 net fishery is managed for Nass sockeye salmon until mid-July after which the outer Area 3 fishery is managed based on Nass and Skeena pink and Skeena sockeye stock abundance. The inside Area 3 (Sub-areas 3-7 to 17) net fishery is managed for Nass sockeye, pink and chum abundance from mid-July to late August or early September. In 2008, all Area 3 net fisheries operated with a non-retention/non-possession restriction for coho and steelhead. Furthermore, seine fishers were restricted from retaining Chinook and chum and gillnetters were requested to release all live chum. A small return of Area 3 sockeye in 2008 resulted in poorer than average effort per opening and a much poorer than anticipated Area 3 pink returns led to a much earlier than normal net fishing closure (the last opening was 27 July).

Weekly 2008 hauled catch data by gear type for sub-areas 3-2 to 3-4 and 3-7 to 3-17 and total catch for Area 3 are presented in Tables 13 to 19. Annual effort data for Area 3 for the years: 1980-2008 is shown in Table 30.

The 2008 Area 3 gillnet fishery began 24 June (Week 26) with one 16-hour opening to assess Nass River sockeye run strength. A less than average gillnet fleet of 174 vessels participated in the first opening. The hauled sockeye catch of 7,779 pieces was below normal for this time of year, corresponding with a poor early Nass River sockeye escapement estimate as determined by the Nisga'a fishwheels.

Weeks 27 and 28 each had single 16-hour fishing periods scheduled for gillnets as the Nass sockeye return remained poor. Sockeye catches continued to be below average for both weeks with 7,614 in Week 27 and 4,581 in Week 28. By the end of Week 28 the fishwheel sockeye escapement estimate of 106,890 remained lower than the 1994-2007 average of 114,064, to 12 July. Also the Bayes run size projection dropped by 50,000 to 500,000, largely due to the continued poorer than average sockeye catches at Tree Point and the outer portions of Area 3.

During Week 29 two 16-hour fisheries were scheduled for gillnets and seines. Sockeye catches declined slightly from previous weeks with 234 gillnets harvesting 10,405 sockeye, 2,594 pink, 5,243 chum and 35 Chinook. During the same week, 26 seines caught 3,024 sockeye and 2,086 pinks. The Nass fishwheel in-river sockeye escapement estimate remained on target to meet the annual escapement target based on average run timing. In addition, the Bayes run size projection increased slightly to 530,000 due to average fishwheel catches.

In Week 30 single 16-hour fishing periods were conducted for both gillnets and seines. At this time it was becoming apparent that pink salmon abundance in Area 3 was poorer than the pre-season forecast. In addition, chum retention was further restricted due to very poor returns. The

gillnet fleet of 22 vessels harvested 2,931 sockeye and 1,459 pink salmon while the seine fleet of 28 vessels caught 3,024 sockeye and 4,648 pink salmon. Poor fishing effort for both fleets was attributable to the concurrent opening of Area 4 fisheries. The in-season Meziadin River sockeye total return estimate remained slightly below desired levels for the entire season resulting in no issuance of Excess to Salmon Spawning Requirement (ESSR) fishing licenses to the Nisga'a and Gitanyow First Nations.

As in the previous week, a single 16-hour fishing period was scheduled for both gillnets and seines in Week 31. This single opening, on July 27, was concurrent with an Area 4 opening. Most effort in Area 3 was concentrated on the outer portion of Area 3 to intercept passing Skeena sockeye. The gillnet fleet remained small with 51 vessels harvesting 3,169 sockeye, 5,139 pinks and 2,156 chum. Meanwhile, 7 seine vessels harvested 654 sockeye and 4,464 pinks in Week 31. With continued very poor Area 3 pink and sockeye catches management actions were put in place to minimize further fishery impact. Further openings were dependant upon indications of adequate abundance.

Total gillnet fishing effort was 595 boat days, well below the 1990-1999 average effort of 2,845 boat days and the 1998-2007 decadal average effort of 2,522 boat days. The total Area 3 seine effort of 61 boat days is also well below the 1990-1999 average of 1,271 boat days and the 1998-2007 average of 369 boat days. For gillnets there was a total of 7.3 days fishing, while seines fished for just 2.7 days, well below the 1990-1999 averages of 28 and 8 days fishing, respectively, and the 1998-2007 averages of 15 and 13 days, respectively. The gillnet and seine sockeye hauled catches of 33,948 and 5,173 were lower than the poor pre-season expected harvest levels. The catch of pink salmon by gillnets (9,282) and seines (11,180) were well below the anticipated harvests as returns to Canada were much weaker than anticipated. Of the total Area 3 pink net catch, 46.6% (9,608) was taken in sub-areas 3-1 to 3-4.

The final sockeye net escapement estimate to the Nass River totalled 218,075, with a total Meziadin Lake escapement of 150,396, both of which were near target. Pink escapements to Area 3 were well below target levels for all stocks with a total aggregate escapement estimate of 58,742. Chum escapements to Area 3 were a well below average in 2008, with an estimate of 14,649. Table 28 outlines escapements for 2008 and Table 32 provides historical annual escapements for Area 3.

Due to concerns for north coast coho stocks no troll fisheries took place in Area 3 during 2008.

Area 4

The 2008 sockeye management plan was developed around an abundance-based management scheme in an attempt to reduce exploitation of less productive Skeena sockeye while allowing variable harvest opportunities based on aggregate sockeye abundance. As has been the case in recent years, the intent was to reduce the aggregate-stock exploitation rate on Skeena sockeye in North Coastal marine net fisheries relative to the 1982-2002 base period. In addition, management measures were in place to address concerns for Skeena coho, steelhead and wild sockeye and chum stocks. The pre-season forecast for Skeena sockeye was relatively poor, with

an expected harvestable surplus of 350,000 pieces. Skeena pink salmon expectations were also poor, with no anticipated available harvest being the result of a poor brood escapement. In-season abundance indicators included the Tyee test fishery, various fish counting facilities, harvest rate and CPUE models, native food fish catches and commercial catches in Area 4 and other fishing areas in Northern BC and Southern Southeast Alaska. The Tyee test fishery operated from 10 June to 28 September. No environmental conditions precluded effective operation of the test fishery in 2008.

Gillnet and seine fisheries regulations mirrored concerns for stocks of concern, including wild sockeye, upper Skeena coho and weak chum stock. For both net fleets a non-retention, non-possession restriction was in place for coho and chum, while Chinook was also restricted for the seine fleet. In addition, in an attempt to minimize fishing related impacts, steelhead was a prohibited species for both fleets.

Further management actions for gillnets included mandatory operational revival boxes, daylight-only fisheries and time and area fishing restrictions. As a further measure to minimize impacts on co-migrating coho, chum and steelhead, the gillnet fleet was restricted to half length nets and minimized set durations (Short Net/Short Set) for all openings after 27 July.

For the seine fleet, an experimental pilot sockeye and pink salmon quota fishery was carried out in 2008, with weekly target catches generally being based on predicted weekly harvestable surpluses and gear allocation policy. While brailing and sorting of catch and operational revival boxes continued remained mandatory, the daylight-only fishing restriction was dropped to facilitate efficient catch rates and minimize fishing time.

The Skeena First Nations inland demonstration sockeye fishery continued in 2008 to provide economic benefit to up-river First Nations through the harvest and sale of Skeena sockeye. To protect non-target species, beach seining and dip-netting remained the only allowable fishing methods. In addition, to minimize impacts on wild sockeye stocks, time and area closures were an integral component of the in-river management regime. Sockeye allocations were acquired through the transfer of commercial gillnet and seine licences from the marine fishery and weekly allocations were based on average catch per licence from Area 4 gillnet and seine marine commercial fisheries occurring in previous weeks.

With stock assessment information indicating a harvestable surplus of Chinook entering the Skeena River, the Area 4 Chinook-directed gillnet fishery took place with 2 openings (30 hours and 18 hours) taking place between 7-11 July. Effort levels were average for this fishery (91 and 96 vessels, respectively) while Chinook catches were slightly below average with a combined hauled catch of 3,184 pieces.

As has been the case in recent years the first possible sockeye-directed gillnet opening was delayed until mid-July in response to early-timed stock concerns, most notably Nanika River sockeye. According to Tyee Test Fishery information, early Skeena sockeye returns appeared poor, as anticipated. This assessment changed following 4 days of very strong escapement estimates at Tyee, from 11-14 July. As a result, the fishery commenced 15 July, with 282 vessels

participating and hauling a catch of 43,583 sockeye, 1,793 pinks and 937 Chinook. These above-average catches and continued strong escapement allowed for 2 more openings during Week 29. The combined hauled catch for gillnets after 3 openings in Week 29 was 171,280 sockeye, 6,240 pink and 1,229 Chinook. The predicted sockeye return to the end of Week 29, based on hauled catch and estimated escapement to Tyee, was 977,763. Applying this value to average run timing resulted in a projected total return estimate of 2.6 million.

Week 30 Tyee sockeye escapement estimates remained stronger than anticipated, with an estimated weekly escapement past Tyee of 453,731, allowing for both gillnet and seine fisheries to take place. The gillnet fleet fished three 16-hour openings this week, with slightly above-average sockeye but poor pink catch results. With an average effort of 206 boat days per opening the combined gillnet hauled harvest for the week was 194,931 sockeye, 9,781 pinks and 578 Chinook. The seine fleet commenced fishing 22 July under the quota fishery management regime. The fishery remained open for the rest of the management week (5 days) with an average daily fishing fleet of 21 vessels harvesting 87,025 sockeye and 16,288 pinks. The sockeye catch was equivalent to the amount allocated to the fleet but the pink catch was well below target. With a larger than required sockeye escapement estimate, ESSR opportunities were presented to up-river First Nations, in particular the Babine watershed Nations, to minimize impacts on less productive wild sockeye stocks while harvesting surplus enhanced Fulton and Pinkut River sockeye.

The Tyee sockeye escapement estimate remained relatively strong during Week 31, at 331,397 pieces. By the end of the week the cumulative catch and escapement estimate was at 2.19 million and the total return estimate, based on average run timing, remained at approximately 2.8 million. Gillnet and seine opportunities remained as per the previous week although, in an effort to reduce impacts on non-target species, this was the first week for the gillnet short net/short set fishery regulation. The gillnet fleet fished 3 additional 16-hour openings and the seine fleet fished until the sockeye harvest allocation was achieved. A combined gillnet effort of 497.5 boat days harvested 66,317 sockeye, 15,331 pinks and 128 Chinook. The seine fleet fish for 6 days, with a combined effort of 108 boat days and a total harvest of 64,479 sockeye and 35,134 pinks.

Fishing opportunities for Week 32 were based on meeting catch allocations for both net fleets while still adhering to conservation obligations. The gillnet fleet was allowed 2 more 16-hour opening and a combined effort of 385.3 boat days delivered 61,859 sockeye, 32,187 pinks and 105 Chinook. Seine effort for the week was 60 vessel days, with a total catch of 44,434 sockeye and 40,345 pinks. In addition, a larger than expected drop in escapement at Tyee gave initial indications that the sockeye run was coming to an end earlier than anticipated. With continued poor pink returns and the sockeye allocation being met, Week 31 was the final week of marine net fishing.

For gillnets in 2008 there was a total effort of 9.3 fishing days and 2,213 gillnet boat days compared to the 1990-99 average of 19.7 fishing days and 8,705 gillnet boat days and the 1998-2007 decadal average of 15 fishing days and 2,780 boat days effort. Catches were above pre-season expectations but below average values for all species with 497,320 sockeye, 63,544 pink and 5,224 Chinook being hauled. The seine fleet fished 19.0 days but total effort was modest at

183 boat days. Catches were well below seasonal averages for both sockeye and pink, with hails of 195,938 and 91,767 pieces, respectively. With regulation changes associated with the pilot quota system, time fished by individual vessels increased but the overall fleet effort of remained modest and well below both the 1980-1999 average of 347 boat days and the and the 1997-2006 average of 237 boat days despite being provided twice the average amount of fishing time than both time periods. Total delivered catch for the Skeena Inland Demonstration Fishery was 67,289 sockeye while the up-river ESSR fishery reported a catch of 242,585 sockeye.

The Skeena sockeye net escapement estimate of 958,295 exceeded the spawning target of 900,000 but was slightly below the 1998-2007 average of 994,120. Estimated escapements of wild Skeena sockeye were variable, but generally below target, with the 2 main stocks of concern, Nanika and Kitwanga Rivers escaping 10,000 and 1,108, respectively. The aggregate Area 4 pink escapement estimate of 65,181 was well below the escapement target of 1.9 million and is the worst escapement estimate on record. Meanwhile, the Area 4 chum escapement estimate of 2,650 is well below target. Table 28 provides the 2008 spawning escapements for Area 4 and Table 33 displays annual escapements from 1970 to 2008. Summaries of the 2008 gillnet and seine weekly catch and effort are provided in Tables 20 and 21.

Due to concerns for north coast coho no troll fisheries took place in Area 4 during the 2008 season. Instead, the fishery was limited to a small portion of the Area 104 traditional coho trolling area. The opening was very poorly attended and resulting catches were relatively small, with hails of 141 sockeye, 722 coho, 72 pinks and 5 Chinook. Table 22 shows weekly hailed catch information for the Area 104 troll fishery.

Area 5

Management of the Area 5 fishery during July is based on Skeena sockeye abundance. From late July to early August, the fishery targets Skeena pink stocks which use Area 5 as a migration route. In mid to late August, fisheries are managed for harvest of local pink stocks.

Pre-season expectations were for limited gillnet and seine opportunities on Skeena sockeye and no Skeena or local Area 5 pink opportunities. In-season, an early opportunity to harvest surplus local Area 5 sockeye allowed for single day gillnet openings during Weeks 26 and 27. A combined effort of 16 boat days harvested 1,375 sockeye and 245 pinks. Further opportunities were coincident with Area 4 openings and were very poorly attended. Total effort for 8 gillnet openings amounted to 18.4 boat day with a combined hailed catch of 1,794 sockeye, 303 pinks and 7 Chinook.

Seine opportunities were limited to 2 poorly attended openings during Weeks 29 and 30, amounting to 10 boat days effort and a total hailed catch of 572 sockeye and 237 pinks. The lack of an Area 5 pink surplus resulted in no directed pink openings.

Tables 23 and 24 provide weekly Area 5 net fleet catch for 2008 and Table 30 provides historic Area 5 effort by gear type.

The Area 5/105 troll fishery targeted primarily coho in 2008, with retention restrictions in place of sockeye, chum and Chinook. Effort was minimal and confined to Statistical Weeks 32-34, coincident with maximum coho abundance within the fishing area. Weekly catch data for the 2008 Area 5/105 troll fishery are provided in Table 25.

The 2008 Area 5 escapement information is provided in Table 34.

Management Performance Relative to Treaty Requirements

Areas 3 (1-4) Pink Net Catch (Preliminary)

For the year 2008, Canada was to manage the 3-1 to 3-4 net fishery to achieve an annual catch share of 2.49 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon production. The AAH for 2008 was 14,712,616 providing a Canadian catch allowance (2.49 %) of 365,455 of Alaskan Districts 101, 102 and 103 origin pink salmon. The Canadian pink catch in 2008 in Sub-areas 3-1 to 3-4 was 9,608 and the Alaska stock component of this is estimated to be 8,330, or 0.06% of the AAH. The Canadian harvest was 358,014 under the target catch. The Canadian pink returns were much poorer than expected, and escapements to the Skeena and Nass areas were well below targets.

Area 1 Pink Troll Fishery (Preliminary)

For the year 2008, Canada was to manage the commercial troll fishery in Area 1 to achieve an annual catch share of 2.57 percent of the annual allowable harvest (AAH) of Alaskan Districts 101, 102 and 103 pink salmon production. The AAH for 2008 was 14,712,616 providing a Canadian catch allowance (2.57%) of 378,114 pink salmon (see text table below). The Canadian commercial troll fishery in Area 1 harvested a total of 31,360 pink salmon, of which 29,295 were estimated to be of Alaskan origin and amounted to 0.20% of the AAH. The Canadian harvest was 348,820 pieces under the treaty catch allowance. The pattern of total Area 1 weekly pink catch in 2008 is illustrated in Table 12.

2009 Salmon Forecast Northern British Columbia

Expectations and fishing plans for 2009 are still preliminary. Specific opening dates and fishing patterns are determined through consultations with industry and since this process has not yet been completed it is too early to provide details. A summary of the forecasts for Areas 1, 3, 4 and 5 are provided in Table 29.

Area 1 Expectations

Sockeye There are no significant local sockeye stocks in Area 1

Pink No surplus is anticipated for Area 1 as it is an off-year for pinks.

Chum Fishing opportunities will be dependent on identified surpluses

Fishing Plans The fishing plans for net fisheries have yet to be established.

Area 3 Expectations

Sockeye A below average Nass sockeye total return to Canada of 517,000 is expected to provide an Area 3 commercial harvest of 217,000 Nass-bound sockeye. In addition, a catch of 50,000 Skeena sockeye is anticipated in 2009.

Pink A Nass pink return of 2.75 million is expected to provide an Area 3 catch of 2.4 million. A limited contribution is anticipated from Skeena pink stocks, as the 2009 forecast is poor.

Chum Area 3 chum stocks remain below target levels. No targeted fishing is anticipated.

Fishing Plans A very modest sockeye and average pink fishery are anticipated in Area 3 in 2009.

Area 4 Expectations

Sockeye The Skeena sockeye return is forecast to be 2 million to Canadian waters.

Pink The Skeena pink forecast for 2009 is 1.92 million, allowing a below average harvest opportunity of 200,000.

Chum Skeena chum escapements are depressed and there will be no targeted fisheries on chum salmon.

Fishing Plans Domestic management initiatives to respond to wild Skeena sockeye conservation concerns and poor chum returns will be the key factors in developing 2009 management plans.

Area 5 Expectations

Sockeye A catch of about 25,000 Skeena and 5,000 Area 5 sockeye is anticipated in 2009.

Pink Local Area 5 and passing Skeena pink returns in 2009 are expected to produce a surplus of about 145,000 for harvest.

Chum Local chum stocks are depressed, and no surplus is anticipated.

Fishing Plans Area 5 fishing patterns will be based largely on the abundance of local sockeye and pink stocks, Skeena wild sockeye conservation concerns and below average returns of Skeena pink salmon.

TABLES

Table 1. Weekly commercial catch and fishing effort by opening in the 2008 Alaska District 101 purse seine fishery (preliminary).

Week/ Opening	Openings	Closures	Effort			Catch					
	Date	Date	Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
28	Sunday, July 06, 2008	Sunday, July 06, 2008	12	15	180	0	110	375	8,695	4,029	13,209
29	Sunday, July 13, 2008	Sunday, July 13, 2008	8	15	120	0	498	503	27,317	2,695	31,013
29B	Thursday, July 17, 2008	Thursday, July 17, 2008	6	15	90	0	261	314	8,769	1,332	10,676
30	Thursday, July 24, 2008	Thursday, July 24, 2008	10	15	150	0	220	559	31,713	1,892	34,384
31	Wednesday, July 30, 2008	Wednesday, July 30, 2008	22	15	330	0	598	1,844	108,709	8,239	119,390
32	Sunday, August 03, 2008	Sunday, August 03, 2008	17	15	255	0	141	658	77,024	1,406	79,229
32B	Wednesday, August 06, 2008	Wednesday, August 06, 2008	23	15	345	0	377	1,579	188,037	2,172	192,165
33	Sunday, August 10, 2008	Monday, August 11, 2008	54	39	2,106	0	1,751	5,900	792,896	6,931	807,478
33B	Thursday, August 14, 2008	Friday, August 15, 2008	42	39	1,638	9	1,076	5,578	526,167	5,384	538,214
34	Monday, August 18, 2008	Tuesday, August 19, 2008	31	39	1,209	5	911	4,299	539,773	6,065	551,053
34B	Friday, August 22, 2008	Saturday, August 23, 2008	50	39	1,950	4	298	9,784	376,329	9,763	396,178
35	Tuesday, August 26, 2008	Wednesday, August 27, 2008	34	39	1,326	0	607	6,703	282,459	12,342	302,111
35B	Saturday, August 30, 2008	Sunday, August 31, 2008	19	39	741	0	114	2,272	79,087	9,971	91,444
Season Total			86	339	10,440	18	6,962	40,368	3,046,975	72,221	3,166,544

Table 2. Weekly commercial catch and fishing effort by opening in the 2008 Alaska District 102 purse seine fishery (preliminary).

Week/ Opening	Openings	Closures	Effort			Catch					
	Date	Date	Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
26	Sunday, June 22, 2008	Wednesday, June 25, 2008	11	87	957	0	112	283	359	1,675	2,429
27	Sunday, June 29, 2008	Thursday, July 03, 2008	17	111	1,887	0	1,276	4,000	14,212	33,555	53,043
28	Sunday, July 06, 2008	Sunday, July 06, 2008	7	15	105	0	451	1,367	1,405	25,435	28,658
28½	Monday, July 07, 2008	Wednesday, July 09, 2008	29	63	1,827	0	2,000	4,401	17,259	59,724	83,384
29	Sunday, July 13, 2008	Sunday, July 13, 2008	23	15	345	0	882	1,919	25,824	50,190	78,815
29½	Thursday, July 17, 2008	Thursday, July 17, 2008	28	15	420	0	1,044	1,240	23,175	30,505	55,964
30	Thursday, July 24, 2008	Thursday, July 24, 2008	19	15	285	0	648	1,774	44,586	26,297	73,305
32	Sunday, August 03, 2008	Sunday, August 03, 2008	14	15	210	0	216	859	179,415	8,713	189,203
32½	Wednesday, August 06, 2008	Wednesday, August 06, 2008	29	15	435	0	474	1,578	257,928	5,400	265,380
33	Sunday, August 10, 2008	Monday, August 11, 2008	33	39	1,287	0	825	4,192	405,393	8,686	419,096
33½	Thursday, August 14, 2008	Friday, August 15, 2008	42	39	1,638	5	1,406	4,724	668,405	9,661	684,201
34	Monday, August 18, 2008	Tuesday, August 19, 2008	27	39	1,053	0	426	2,860	474,753	7,877	485,916
34½	Friday, August 22, 2008	Saturday, August 23, 2008	18	39	702	1	126	1,176	107,699	6,825	115,827
35	Tuesday, August 26, 2008	Wednesday, August 27, 2008	9	39	351	0	121	1,581	104,384	10,094	116,180
35½	Saturday, August 30, 2008	Sunday, August 31, 2008	17	39	663	0	94	1,344	55,862	7,392	64,692
37	Wednesday, September 10, 2008	Wednesday, September 10, 2008	13	12	156	0	3	846	6,186	2,352	9,387
38½	Thursday, September 18, 2008	Thursday, September 18, 2008	10	12	120	0	0	348	197	1,582	2,127
Season Total			104	609	12,441	6	10,104	34,492	2,387,042	295,963	2,727,607

Table 3. Weekly commercial catch and fishing effort by opening in the 2008 Alaska District 103 purse seine fishery (preliminary).

Week/ Opening	Openings	Closures	Effort			Catch					
	Date	Date	Boat			Chinook	Sockeye	Coho	Pink	Chum	Total
			Boats	Hours	Hours						
30	Thursday, July 24, 2008	Thursday, July 24, 2008		15	Confidential information: less than three boats fishing.						
31	Sunday, July 27, 2008	Sunday, July 27, 2008	13	15	195	0	789	1,825	20,885	4,510	28,009
32	Sunday, August 03, 2008	Sunday, August 03, 2008		15	Confidential information: less than three boats fishing.						
32B	Wednesday, August 06, 2008	Wednesday, August 06, 2008	9	15	135	0	412	4,075	60,042	3,868	68,397
33	Sunday, August 10, 2008	Monday, August 11, 2008	20	39	780	0	792	5,444	212,409	8,102	226,747
33B	Thursday, August 14, 2008	Friday, August 15, 2008	37	39	1,443	21	1,385	6,530	577,947	31,922	617,805
34	Monday, August 18, 2008	Tuesday, August 19, 2008	89	39	3,471	14	1,195	8,440	963,078	50,322	1,023,049
34B	Friday, August 22, 2008	Saturday, August 23, 2008	49	39	1,911	2	555	4,845	515,348	22,104	542,854
35	Tuesday, August 26, 2008	Wednesday, August 27, 2008	38	39	1,482	2	203	3,257	224,207	18,193	245,862
35B	Saturday, August 30, 2008	Sunday, August 31, 2008	31	39	1,209	1	114	2,110	145,203	12,941	160,369
37	Wednesday, September 10, 2008	Wednesday, September 10, 2008	5	12	60	0	3	136	8,405	3,508	12,052
38	Monday, September 15, 2008	Monday, September 15, 2008		12	Confidential information: less than three boats fishing.						
Season Total			117	318	10,710	40	5,448	36,675	2,727,637	156,074	2,925,874

Table 4. Weekly commercial catch and fishing effort by opening in the 2008 Alaska District 104 purse seine fishery (preliminary).

Week/ Opening	Openings	Closures	Effort			Catch					
	Date	Date	Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
28	Sunday, July 06, 2008	Sunday, July 06, 2008	3	8	24	0	376	254	507	1,857	2,994
29	Sunday, July 13, 2008	Sunday, July 13, 2008	7	10	70	0	2,531	731	1,978	2,731	7,971
30	Thursday, July 24, 2008	Thursday, July 24, 2008	16	15	240	0	3,355	5,708	34,053	7,150	50,266
31	Sunday, July 27, 2008	Sunday, July 27, 2008	38	15	570	0	2,597	3,420	48,230	4,624	58,871
31B	Wednesday, July 30, 2008	Wednesday, July 30, 2008	47	15	705	0	5,655	8,490	132,674	8,264	155,083
32	Sunday, August 03, 2008	Sunday, August 03, 2008	60	15	900	0	5,799	11,436	323,969	12,607	353,811
32B	Wednesday, August 06, 2008	Wednesday, August 06, 2008	47	15	705	0	4,524	6,116	289,110	8,422	308,172
33	Sunday, August 10, 2008	Monday, August 11, 2008	37	39	1,443	0	6,522	10,606	661,664	10,203	688,995
33B	Thursday, August 14, 2008	Friday, August 15, 2008	27	39	1,053	104	3,199	6,746	521,470	13,442	544,961
34	Monday, August 18, 2008	Tuesday, August 19, 2008	38	39	1,482	298	2,328	8,095	421,728	12,772	445,221
34B	Friday, August 22, 2008	Saturday, August 23, 2008	24	39	936	52	3,160	4,844	309,959	10,592	328,607
35	Tuesday, August 26, 2008	Wednesday, August 27, 2008	13	39	507	12	1,036	2,025	91,494	4,867	99,434
35B	Saturday, August 30, 2008	Sunday, August 31, 2008	5	39	195	0	72	218	10,881	1,019	12,190
Season Total			84	327	8,830	466	41,154	68,689	2,847,717	98,550	3,056,576

Table 5. Weekly commercial catch and fishing effort by opening in the 2008 Alaska District 101 drift gillnet fishery (preliminary).

Week	Openings	Closures	Effort			Catch					
	Date	Date	Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
25	Sunday, June 15, 2008	Thursday, June 19, 2008	32	96	3,071	484	3,291	864	880	4,787	10,306
26	Sunday, June 22, 2008	Thursday, June 26, 2008	33	96	3,167	506	4,540	1,613	3,041	10,575	20,275
27	Sunday, June 29, 2008	Thursday, July 03, 2008	37	96	3,551	369	4,949	2,944	6,575	19,593	34,430
28	Sunday, July 06, 2008	Thursday, July 10, 2008	40	96	3,839	182	6,175	2,776	21,152	50,540	80,825
29	Sunday, July 13, 2008	Thursday, July 17, 2008	42	96	4,031	154	3,361	4,041	12,932	45,314	63,802
30	Sunday, July 20, 2008	Tuesday, July 22, 2008	37	48	1,775	64	4,733	1,745	13,367	27,533	47,442
31	Sunday, July 27, 2008	Tuesday, July 29, 2008	37	48	1,775	35	1,313	3,010	11,454	14,173	29,985
32	Sunday, August 03, 2008	Thursday, August 07, 2008	34	96	3,263	45	4,394	9,076	48,767	11,624	73,906
33	Sunday, August 10, 2008	Friday, August 15, 2008	30	120	3,600	22	552	5,372	50,658	8,009	64,613
34	Sunday, August 17, 2008	Friday, August 22, 2008	29	120	3,480	5	382	4,222	56,212	7,028	67,849
35	Sunday, August 24, 2008	Friday, August 29, 2008	29	120	3,480	7	273	6,233	21,409	13,502	41,424
36	Sunday, August 31, 2008	Thursday, September 04, 2008	34	96	3,263	3	141	7,404	17,764	11,270	36,582
37	Sunday, September 07, 2008	Thursday, September 11, 2008	31	96	2,975	2	2	10,465	5,704	7,135	23,308
38	Sunday, September 14, 2008	Thursday, September 18, 2008	30	96	2,880	1	5	19,685	1,236	6,129	27,056
39	Sunday, September 21, 2008	Thursday, September 25, 2008	28	96	2,688	1	2	16,399	15	2,612	19,029
40	Sunday, September 28, 2008	Thursday, October 02, 2008	3	96	288	0	0	143	0	26	169
Season Total			54	1,512	47,128	1,880	34,113	95,992	271,166	239,850	643,001

Table 6. Weekly commercial catch and fishing effort by opening in the 2008 Alaska District 106 drift gillnet fishery (preliminary).

Openings		Closures	Effort			Catch					
Week	Date	Date	Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
24	Sunday, June 08, 2008	Tuesday, June 10, 2008	13	48	624	179	83	94	0	22	378
25	Sunday, June 15, 2008	Tuesday, June 17, 2008	24	48	1,152	177	1,242	2,012	18	438	3,887
26	Sunday, June 22, 2008	Thursday, June 26, 2008	45	96	4,319	175	3,561	6,538	1,213	3,243	14,730
27	Sunday, June 29, 2008	Thursday, July 03, 2008	65	96	6,239	318	7,244	10,582	1,918	11,639	31,701
28	Sunday, July 06, 2008	Wednesday, July 09, 2008	47	72	3,383	61	5,219	5,887	2,429	11,622	25,218
29	Sunday, July 13, 2008	Tuesday, July 15, 2008	50	48	2,399	58	6,215	4,664	4,032	18,449	33,418
30	Sunday, July 20, 2008	Tuesday, July 22, 2008	39	48	1,871	39	2,980	2,289	4,162	12,680	22,150
31	Sunday, July 27, 2008	Tuesday, July 29, 2008	24	48	1,152	6	1,231	2,020	7,209	4,251	14,717
32	Sunday, August 03, 2008	Tuesday, August 05, 2008	38	48	1,823	5	1,629	3,447	18,969	5,380	29,430
33	Sunday, August 10, 2008	Tuesday, August 12, 2008	28	48	1,343	3	525	1,768	12,607	2,285	17,188
34	Sunday, August 17, 2008	Tuesday, August 19, 2008	37	48	1,775	1	293	3,010	24,714	2,345	30,363
35	Sunday, August 24, 2008	Tuesday, August 26, 2008	31	48	1,487	3	49	4,950	5,501	2,868	13,371
36	Sunday, August 31, 2008	Wednesday, September 03, 2008	60	72	4,319	0	44	12,565	4,583	7,337	24,529
37	Sunday, September 07, 2008	Thursday, September 11, 2008	83	96	7,966	15	208	29,283	2,485	11,430	43,421
38	Sunday, September 14, 2008	Thursday, September 18, 2008	85	96	8,158	7	8	18,730	368	5,334	24,447
39	Sunday, September 21, 2008	Wednesday, September 24, 2008	51	72	3,671	2	2	7,634	9	2,558	10,205
40	Sunday, September 28, 2008	Wednesday, October 01, 2008	14	72	1,008	0	0	601	0	275	876
Season Total			144	1,056	52,066	870	30,450	115,980	90,217	102,134	339,651

Table 7. Weekly commercial catch and fishing effort by opening in the 2008 Annette Island Reserve purse seine fishery (preliminary).

Week	Openings	Closures	Effort			Catch					
	Date	Date	Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Chum	Total
26	Sunday, June 22, 2008	Sunday, June 22, 2008	1	15	15	12	13	55	876	35	991
27	Monday, June 30, 2008	Tuesday, July 01, 2008	1	39	39	20	42	121	1,876	584	2,643
27B	Friday, July 04, 2008	Friday, July 04, 2008	0	15	0	0	0	0	0	0	0
28	Sunday, July 06, 2008	Monday, July 07, 2008	1	39	39	0	84	140	9,780	2,519	12,523
28B	Friday, July 11, 2008	Friday, July 11, 2008	1	15	15	0	186	46	12,066	2,107	14,405
29	Monday, July 14, 2008	Tuesday, July 15, 2008	1	39	39	1	168	232	9,458	1,254	11,113
29B	Friday, July 18, 2008	Friday, July 18, 2008	1	15	15	0	165	220	6,605	977	7,967
30	Sunday, July 20, 2008	Monday, July 21, 2008	1	39	39	1	172	156	6,681	2,006	9,016
30B	Thursday, July 24, 2008	Thursday, July 24, 2008	1	15	15	8	122	225	7,501	1,870	9,726
31	Monday, July 28, 2008	Tuesday, July 29, 2008	1	39	39	3	132	222	25,900	1,038	27,295
32	Sunday, August 03, 2008	Monday, August 04, 2008	1	39	39	0	175	149	55,824	1,686	57,834
32B	Wednesday, August 06, 2008	Wednesday, August 06, 2008	1	15	15	0	158	116	26,680	348	27,302
32C	Saturday, August 09, 2008	Saturday, August 09, 2008	1	15	15	0	1	2	250	180	433
33	Monday, August 11, 2008	Tuesday, August 12, 2008	1	39	39	0	50	303	63,355	370	64,078
33B	Thursday, August 14, 2008	Friday, August 15, 2008	1	39	39	7	81	1,337	86,600	578	88,603
34	Sunday, August 17, 2008	Monday, August 18, 2008	1	39	39	0	145	416	127,475	427	128,463
34B	Wednesday, August 20, 2008	Thursday, August 21, 2008	1	39	39	0	140	883	102,086	1,506	104,615
35	Sunday, August 24, 2008	Monday, August 25, 2008	1	39	39	0	70	627	40,694	1,098	42,489
35B	Wednesday, August 27, 2008	Thursday, August 28, 2008	1	38	38	0	34	807	19,015	940	20,796
36	Sunday, August 31, 2008	Monday, September 01, 2008	1	38	38	0	19	488	23,288	1,314	25,109
37	Thursday, September 11, 2008	Friday, September 12, 2008	1	38	38	0	0	907	435	1,150	2,492
38	Sunday, September 14, 2008	Monday, September 15, 2008	0	38	0	0	0	0	0	0	0
Season Total			1	686	633	52	1,957	7,452	626,445	21,987	657,893

Table 8. Weekly commercial catch and fishing effort by opening in the 2008 Annette Island Reserve gillnet fishery (preliminary).

Week	Openings	Closures	Effort			Catch					
	Date	Date	Boats	Hours	Boat Hours	Chinook	Sockeye	Coho	Pink	Clam	Total
25	Sunday, June 15, 2008	Wednesday, June 18, 2008	1	72	72	145	74	207	131	191	748
26	Sunday, June 22, 2008	Wednesday, June 25, 2008	1	72	72	48	75	142	1,285	748	2,298
27	Sunday, June 29, 2008	Friday, July 04, 2008	1	120	120	86	313	859	2,953	4,625	8,836
28	Sunday, July 06, 2008	Friday, July 11, 2008	1	120	120	134	561	1,291	15,728	22,597	40,311
29	Sunday, July 13, 2008	Friday, July 18, 2008	1	120	120	59	1,148	1,552	18,599	17,920	39,278
30	Sunday, July 20, 2008	Friday, July 25, 2008	1	120	120	95	1,001	2,035	17,122	25,668	45,921
31	Sunday, July 27, 2008	Thursday, July 31, 2008	1	96	96	31	235	894	14,767	10,976	26,903
32	Sunday, August 03, 2008	Friday, August 08, 2008	1	120	120	5	231	664	32,128	2,822	35,850
33	Sunday, August 10, 2008	Friday, August 15, 2008	1	120	120	1	78	1,082	59,170	3,250	63,581
34	Sunday, August 17, 2008	Friday, August 22, 2008	1	120	120	2	95	1,419	74,684	3,375	79,575
35	Sunday, August 24, 2008	Friday, August 29, 2008	1	120	120	0	2	2,050	31,816	9,423	43,291
36	Sunday, August 31, 2008	Thursday, September 04, 2008	1	96	96	0	0	3,281	27,772	11,418	42,471
37	Sunday, September 07, 2008	Friday, September 12, 2008	1	120	120	0	0	8,949	3,530	14,723	27,202
38	Sunday, September 14, 2008	Thursday, September 18, 2008	1	96	96	0	0	6,935	0	5,079	12,014
39	Sunday, September 21, 2008	Friday, September 26, 2008	1	120	120	0	0	6,321	0	2,672	8,993
40	Sunday, September 28, 2008	Friday, October 03, 2008	1	120	120	0	0	2,064	0	419	2,483
41	Monday, October 06, 2008	Thursday, October 09, 2008	1	72	72	0	0	277	0	82	359
Season Total			1	1,824	1,824	606	3,813	40,022	299,685	135,988	480,114

Table 9. Southern Southeast Alaska pink salmon escapement indices by stock group and district for 2008 (in millions).

Stock Group	District	Total Pink Salmon Index for 2008	Lower Management Target	Upper Management Target	Met Minimum Escapement Target	Recent 10-year Average
E Behm	101	1.37	0.67	1.77	+	1.82
Portland	101	0.10	0.10	0.28	-	0.32
W Behm	101	0.68	0.25	0.66	+	0.60
Kasaan	102	0.73	0.24	0.64	+	0.93
Moirá	102	0.21	0.05	0.13	+	0.11
E Dall	103	0.25	0.13	0.36	+	0.33
Hetta	103	0.84	0.30	0.79	+	0.76
Klawock	103	0.76	0.42	1.11	+	1.29
Sea Otter Sound	103	0.13	0.10	0.28	+	0.26
Affleck Canal	105	0.12	0.14	0.38	-	0.42
Shipley Bay	105	0.15	0.11	0.28	+	0.33
Burnett	106	0.13	0.05	0.14	+	0.18
Ratz Harbor	106	0.18	0.04	0.12	+	0.17
Totem Bay	106	0.03	0.05	0.13	-	0.16
Whale Pass	106	0.05	0.07	0.18	-	0.19
Anan	107	0.49	0.21	0.57	+	0.50
Union Bay	107	0.10	0.05	0.12	+	0.14
Stikine	108	0.01	0.02	0.06	-	0.07
Total District 101		2.15	1.02	2.71	+	2.74
Total District 102		0.94	0.29	0.77	+	1.04
Total District 103		1.98	0.95	2.54	+	2.64
Total District 105		0.27	0.25	0.66	+	0.75
Total District 106		0.40	0.21	0.57	+	0.71
Total District 107		0.59	0.26	0.69	+	0.63
Total District 108		0.01	0.02	0.06	-	0.07
Southern Southeast Alaska Total		6.3 million	3.0 million	8.0 million	+	8.6 million

Table 10. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 gillnet weekly hailed catch, 2008 (Preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	SOCKEYE	COHO	CATCH			TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
					PINK	CHUM	CHINOOK				
LOCAL FISHERY											
TOTAL LOCAL FISHERY			(No fisheries on local stocks)								
FISHERY ON PASSING STOCKS			(No fishery on passing stocks)								
TOTAL FISHERY ON PASSING STOCKS			-	-	-	-	-	-	-	-	-
TOTAL AREA 1 GN FISHERY			-	-	-	-	-	-	-	-	-

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOB)

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 11. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 seine weekly hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	SOCKEYE	COHO	CATCH			TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
					PINK	CHUM	CHINOOK				
LOCAL FISHERY					(No fishery on local stocks)						
TOTAL LOCAL FISHERY			-	-	-	-	-	-	-	-	-
FISHERY ON PASSING STOCKS					(No fishery on passing stocks)						
TOTAL AREA 1 SN FISHERY			-	-	-	-	-	-	-	-	-

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS)

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 12. Department of Fisheries and Oceans commercial salmon harvest report, Area 1 troll weekly hailed catch 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	ENDING DATE	SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL	BOAT DAYS	HOURS OPEN	**DAYS FISHING
FISHERY ON PASSING STOCKS											
25	W/E 6-2	JUN 23	0	0	740	1	6,754	7,495	167	168	7
26	W/E 6-3	30	0	0	4,083	0	8,931	13,014	446	168	7
27	W/E 6-4	JUL 07	1	155	6,819	1	5,409	12,385	472	168	7
28	W/E 7-1	14	61	272	2,594	1	4,633	7,561	390	168	7
29	W/E 7-2	21	5	244	3,351	2	3,556	7,158	324	168	7
30	W/E 7-3	28	37	12,559	887	6	3,396	16,885	322	168	7
31	W/E 7-4	AUG 04	152	20,271	1,521	40	2,601	24,585	412	168	7
32	W/E 7-5	11	56	9,870	4,440	3	4,751	19,120	385	168	7
33	W/E 8-1	18	112	6,975	3,481	0	0	10,568	155	168	7
34	W/E 8-2	25	12	4,601	2,952	0	0	7,565	146	168	7
35	W/E 8-3	SEP 01	12	1,107	345	0	536	2,000	134	168	7
36	W/E 8-4	8	2	776	77	0	1,129	1,984	163	168	7
37	W/E 9-1	15	2	871	33	0	1,077	1,983	117	168	7
38	W/E 9-2	22	1	906	2	0	142	1,051	49	168	7
39	W/E 9-3	29	0	338	35	0	73	446	22	168	7
40	W/E 9-4	OCT 04	0	6	0	0	0	6	2	24	1
TOTAL FISHERY ON											
PASSING STOCKS			453	58,951	31,360	54	42,988	133,806	3,706	2,544	106
NO LOCAL FISHERY											
TOTAL AREA 1 TROLL FISHERY			453	58,951	31,360	54	42,988	133,806	3,706	2,544	106

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA (FOS), AS SALES SLIP DATA NOT FINALISED.

*INCLUDES FISH CAPTURED DURING TEST FISHERY

**DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 13. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 (1-4) gillnet weekly hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK				
26	6-4	JUN 30	1,882	CLOSED	6	229	43	2,160	35	16	0.7
27	7-1	JUL 07	1,766	CLOSED	156	601	30	2,553	44	16	0.7
28	7-2	14	1,556	CLOSED	193	1,533	7	3,289	40	16	0.7
29	7-3	21	5,358	CLOSED	1,474	2,914	0	9,746	87	32	1.3
30	7-4	28	264	CLOSED	0	0	0	264	2	16	0.7
31	7-5	AUG 04	1,129	CLOSED	1,631	957	5	3,722	11	16	0.7
TOTALS			11,955	CLOSED	3,460	6,234	85	21,734	219	112	4.7

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 14. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 (7-17) gillnet weekly hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
26	6-4	JUN 30	5337	CLOSED	49	522	205	6,113	81	16	0.7
27	7-1	JUL 07	5060	CLOSED	235	1095	86	6,476	109	16	0.7
28	7-2	14	3024	CLOSED	353	3065	20	6,462	76	16	0.7
29	7-3	21	4390	CLOSED	1120	2329	0	7,839	75	32	1.3
30	7-4	28	2667	CLOSED	1459	0	2	4,128	13	16	0.7
31	7-5	AUG 04	1515	CLOSED	2606	890	7	0	23	16	0.7
TOTALS			21,993	CLOSED	5,822	7,901	320	31,018	376	112	4.7

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 15. Department of Fisheries and Oceans commercial salmon harvest report, total Area 3 weekly gillnet hauled catch 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
26	6-4	30	7,219	CLOSED	55	751	248	8,273	116	32	1.3
27	7-1	JUL 07	6,826	CLOSED	391	1,696	116	9,029	153	32	1.3
28	7-2	14	4,580	CLOSED	546	4,598	27	9,751	116	32	1.3
29	7-3	21	9,748	CLOSED	2,594	5,243	-	17,585	162	32	1.3
30	7-4	28	2,931	CLOSED	1,459	-	2	4,392	16	32	1.3
31	7-5	AUG 04	2,644	CLOSED	4,237	1,847	12	3,722	34	16	0.7
TOTALS			33,948	CLOSED	9,282	14,135	405	52,752	595	176	7.3

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 16. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 Entrance (sub-areas 3-1 to 3-4) weekly seine hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK				
29	7-3	JUL 21	753	CLOSED	1,039	CLOSED	CLOSED	1,792	13	32	1.3
30	7-4	28	1,944	CLOSED	2,988	CLOSED	CLOSED	4,932	18	16	0.7
31	7-5	AUG 04	280	CLOSED	1,913	CLOSED	CLOSED	2,193	3	16	0.7
TOTALS			2,977	CLOSED	5,940	CLOSED	CLOSED	8,917	34	64	2.7

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 17. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 Inside (sub-areas 7 to 17) purse seine hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK				
29	7-3	JUL 21	742	CLOSED	1,029	CLOSED	CLOSED	1,771	13	32	1
30	7-4	28	1,080	CLOSED	1,660	CLOSED	CLOSED	2,740	10	16	1
31	7-5	AUG 04	374	CLOSED	2,551	CLOSED	CLOSED	2,925	4	16	1
TOTALS			2,196	CLOSED	5,240	CLOSED	CLOSED	7,436	27	64	2.7

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 18. Department of Fisheries and Oceans commercial salmon harvest report, total Area 3 purse seine hauled catch. 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK				
29	7-3	JUL 21	1,495	CLOSED	2,068	CLOSED	CLOSED	3,563	26	32	1.3
30	7-4	28	3,024	CLOSED	4,648	CLOSED	CLOSED	7,672	28	16	0.7
31	7-5	AUG 04	654	CLOSED	4,464	CLOSED	CLOSED	5,118	7	16	0.7
TOTALS			5,173	CLOSED	11,180	CLOSED	CLOSED	16,353	61	64	2.7

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 19. Department of Fisheries and Oceans commercial salmon harvest report, Area 3 troll hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	SOCKEYE	COHO	CATCH			TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
					PINK	CHUM	CHINOOK				
(No troll fisheries in Area 3 during the 2008 season.)											
TOTALS			-	-	-	-	-	-	-	-	-

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 20. Department of Fisheries and Oceans commercial salmon harvest report, Area 4 gillnet hailed catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
28	7-2	Jun-14	2,933	CLOSED	5	CLOSED	3,184	6,122	125	48	2.0
29	7-3	21	171,280	CLOSED	6,240	CLOSED	1,229	178,749	588	48	2.0
30	7-4	28	194,931	CLOSED	9,781	CLOSED	578	205,290	617	48	2.0
31	7-5	AUG 04	66,317	CLOSED	15,331	CLOSED	128	81,776	497	48	2.0
32	7-5	11	61,859	CLOSED	32,187	CLOSED	105	94,151	385	32	1.3
TOTALS			497,320	CLOSED	63,544	CLOSED	5,224	566,088	2,213	224	9.3

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 21. Department of Fisheries and Oceans commercial salmon harvest report, Area 4 purse seine hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK				
30	7-4	JUL 28	87,025	CLOSED	16,288	CLOSED	CLOSED	103,313	107	120	5.0
31	7-5	AUG 04	64,479	CLOSED	35,134	CLOSED	CLOSED	99,613	108	144	6.0
32	7-5	11	44,434	CLOSED	40,345	CLOSED	CLOSED	84,779	60	72	3.0
TOTALS			195,938	CLOSED	91,767	CLOSED	CLOSED	287,705	275	336	14.0

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 22. Department of Fisheries and Oceans commercial salmon harvest report, Area 4 troll hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK				
31	W/E 7-5	AUG 04	0	410	38	CLOSED	4	452	3	168	7.0
32	W/E 8-1	11	0	179	0	CLOSED	1	180	2	168	7.0
33	W/E 8-2	18	141	97	35	CLOSED	0	273	4	168	7.0
34	W/E 8-3	25	0	0	0	CLOSED	0	0	0	168	7.0
35	W/E 8-4	SEP 01	0	0	0	CLOSED	0	0	0	168	7.0
36	W/E 9-1	8	0	36	0	CLOSED	0	36	1	168	7.0
37	W/E 9-2	15	0	0	0	CLOSED	0	0	0	168	7.0
38	W/E 9-3	22	0	0	0	CLOSED	0	0	0	24	1.0
TOTAL FISHERY ON											
PASSING STOCKS			141	722	73	-	5	941	10	1,200	50.0

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 23. Department of Fisheries and Oceans commercial salmon harvest report, Area 5 gillnet hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH						BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK	TOTAL			
26	6-4	JUN 30	520	CLOSED	16	CLOSED	0	536	2.7	16	0.7
27	7-1	JUL 07	1134	CLOSED	240	CLOSED	0	1,374	13.3	16	0.7
28	7-2	14	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	0.0	0	0.0
29	7-3	21	0	CLOSED	0	CLOSED	0	0	0.0	48	2.0
30	7-4	28	126	CLOSED	42	CLOSED	1	169	1.7	48	2.0
31	7-5	AUG 04	14	CLOSED	5	CLOSED	0	19	0.7	32	1.3
TOTALS			1,794	CLOSED	303	CLOSED	0	2,098	18.4	160	6.7

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 24. Department of Fisheries and Oceans commercial salmon harvest report, Area 5 seine hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK				
29	7-3	JUL 21	111	CLOSED	100	CLOSED	CLOSED	211	8	16	0.7
30	7-4	28	461	CLOSED	137	CLOSED	CLOSED	598	2	16	0.7
TOTALS			572	CLOSED	237	CLOSED	CLOSED	809	10	32	1.3

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 25. Department of Fisheries and Oceans commercial salmon harvest report, Area 5 troll hauled catch, 2008 (preliminary).

JULIAN WEEK	STAT. WEEK	WEEK ENDING DATE	CATCH					TOTAL	BOAT DAYS	HOURS OPEN	DAYS FISHING*
			SOCKEYE	COHO	PINK	CHUM	CHINOOK				
30	W/E 7-4	JUL 28	CLOSED	0	0	CLOSED	0	0	0	168	7
31	W/E 7-5	AUG 04	CLOSED	0	0	CLOSED	0	0	0	168	7
32	W/E 8-1	11	CLOSED	710	1	CLOSED	0	711	9	168	7
33	W/E 8-2	18	CLOSED	479	7	CLOSED	1	487	6	168	7
34	W/E 8-3	25	CLOSED	88	3	CLOSED	0	91	4	168	7
35	W/E 8-4	SEP 01	CLOSED	0	0	CLOSED	0	0	0	168	7
36	W/E 9-1	8	CLOSED	0	0	CLOSED	0	0	0	168	7
TOTAL FISHERY ON											
PASSING STOCKS			CLOSED	1,277	11	CLOSED	1	1,289	19	1,176	49.0

NOTE: 2008 CATCH FIGURES ARE BASED ON PHONE-IN HAIL DATA.

*DAYS FISHING: HOURS OF FISHING ARE REPRESENTED AS A PORTION OF A 24-HOUR DAY.

Table 26.—Preliminary annual allowable harvest (AAH) calculations for Canadian Area 3(1-4) net fishery, 2008¹.

	Year									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<i>Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:</i>										
Total Run ²	53,011,083	22,935,854	62,126,912	43,056,270	42,771,456	34,999,070	43,651,072	11,524,695	52,342,831	25,462,616
Actual Escapement ³	19,900,203	11,936,450	21,903,643	20,178,163	20,047,003	16,769,261	17,519,566	8,532,450	23,578,584	13,669,062
Escapement Requirement ⁴	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000
Annual Allowable Harvest (AAH)	42,261,083	12,185,854	51,376,912	32,306,270	32,021,456	24,249,070	32,901,072	2,992,245	41,592,831	14,712,616
<i>Actual Number and %AAH of Alaska Pink Salmon Harvested in Canadian Area 3(1-4) Net Fishery:</i>										
Total Pink Harvest in Area 3(1-4) Net	2,224,180	89,980	1,155,691	1,163,645	924,183	559,034	894,890	143,733	1,740,271	9,608
Actual Number of Alaskan Pink Harvested	1,276,329	67,465	911,959	766,390	668,100	448,730	690,317	112,342	1,421,812	8,330
Actual %AAH	3.02%	0.55%	1.78%	2.37%	2.09%	1.85%	2.10%	3.75%	3.42%	0.06%
<i>Overage/Underage Based on the 2.49% AAH Stipulated in the Treaty:</i>										
Allowable % AAH	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%	2.49%
Allowable Harvest	1,052,301	303,428	1,279,285	804,426	797,334	603,802	819,237	74,507	1,035,661	366,344
Overage [Positive]/Underage (Negative)	224,028	(235,963)	(367,326)	(38,036)	(129,234)	(155,072)	(128,920)	37,836	386,150	(358,014)
Cumulative Overage/Underage	224,028	(11,934)	(379,260)	(417,296)	(546,530)	(701,602)	(830,522)	(792,687)	(406,536)	(764,551)

¹ Canadian and Alaskan pink salmon catch data for 1999-2006 were reviewed and updated, which changed the preliminary AAH calculations reported in the 2006 NBTC Annual Report.

² Sum of AK catch of AK, BC catch of AK, and Dist 101-103 esc index x 2.5

³ Dist 101-103 index x 2.5

⁴ Dist 101-103 escapement goal

Table 27. Preliminary annual allowable harvest (AAH) calculations for Canadian Area 1 troll fishery, 2008¹.

	1999	2000	2001	2002	Year 2003	2004	2005	2006	2007	2008
Annual Allowable Harvest (AAH) of Alaska District 101, 102, and 103 Pink Salmon:										
Total Run	53,011,083	22,935,854	62,126,912	43,056,270	42,771,456	34,999,070	43,651,072	11,524,695	52,342,831	25,462,616
Actual Escapement	19,900,203	11,936,450	21,903,643	20,178,163	20,047,003	16,769,261	17,519,566	8,532,450	23,578,584	13,669,062
Escapement Requirement	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000	10,750,000
Annual Allowable Harvest (AAH)	42,261,083	12,185,854	51,376,912	32,306,270	32,021,456	24,249,070	32,901,072	2,992,245	41,592,831	14,712,616
Actual Number and %AAH of Alaska Pink Salmon Harvested in Canadian Area 1 Troll Fishery										
Total Pink Harvest in Area 1 Troll	31,013	73,358	132,709	22,918	74,160	22,198	27,768	34,854	61,276	31,360
Actual Number of Alaskan Pink Harvested	25,125	56,042	116,490	17,723	61,284	19,499	23,098	30,134	55,418	29,295
Actual %AAH	0.06%	0.46%	0.23%	0.05%	0.19%	0.08%	0.07%	1.01%	0.13%	0.20%
Overage/Underage Based on the 2.57% AAH Stipulated in the Treaty:										
Allowable %AAH	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%	2.57%
Allowable Harvest	1,086,110	313,176	1,320,387	830,271	822,951	623,201	845,558	76,901	1,068,936	378,114
Overage (Positive)/Underage (Negative)	(1,060,984)	(257,134)	(1,203,896)	(812,548)	(761,668)	(603,702)	(822,460)	(46,767)	(1,013,518)	(348,820)
Cumulative Overage/Underage	(1,060,984)	(1,318,119)	(2,522,015)	(3,334,563)	(4,096,231)	(4,699,933)	(5,522,393)	(5,569,160)	(6,582,678)	(6,931,497)

¹ Canadian and Alaskan pink salmon catch data for 1999-2006 were reviewed and updated, which changed the preliminary AAH calculations reported in the 2006 NBTC Annual Report.

Table 28. Department of Fisheries and Oceans, 2008 escapements to Areas 3, 4, and 5 (preliminary).

Area	Sockeye	Pink	Chum
3	218,075	58,742	14,649
Meziadin:	150,396		
4	958,295	65,181	510
5	2,600	22,049	2,141

Table 29. Department of Fisheries and Oceans, 2009 salmon forecast, Areas 1, 3, 4, and 5.

2009 COMMERCIAL NET SOCKEYE AND PINK FORECAST

		FORECAST RETURNS TO CANADA	TARGET ESCAPEMENT	CATCH OF AREAS PRODUCTION *	CATCH OF OTHER AREAS PRODUCTION	TOTAL CATCH IN AREA
AREA 1	Sockeye	No forecast done	N/A	0	0	0
	Pink	Off-Year	N/A	0	0	0
AREA 3	Sockeye	517,000	250,000	268,000	50,000	318,000
	Pink	2,755,588	375,000	2,380,588	750,000	3,130,588
AREA 4	Sockeye	2,001,384	900,000	500,000	50,000	550,000
	Pink	1,915,606	2,097,800	200,000	100,000	300,000
AREA 5	Sockeye	No forecast done	50,000	5,000	25,000	30,000
	Pink	347,541	254,500	93,041	50,000	143,041

* - Areas 3 and 4 catch includes commercial and First Nations harvests in tidal and non-tidal waters.

Table 30. Annual effort data for Canadian Areas 1, 3, 4, and 5.

Data for Canadian Areas 1, 3, 4, and 5.												
YEAR	GEAR	BOAT DAYS	AREA 1		AREA 3		AREA 4		AREA 5			
			DAYS* FISHING	BOAT DAYS	DAYS FISHING	BOAT DAYS	DAYS FISHING	BOAT DAYS	DAYS FISHING			
2008	GN	0	0	595	7	2213	9	18	7			
2007	SN	0	0	61	3	274	14	10	1			
	GN	0	0	1694	9	1796	7	11	2			
2006	SN	0	5	3487	15	85	9	82	15			
	GN	7	0	236	7	6376	17	71	13			
2005	SN	0	0	2645	16	198	16	3	6			
	GN	0	0	291	18	0	2	0	0			
2004	SN	0	3	3241	13	1581	0	19	6			
	GN	0	0	448	13	218	6	78	5			
2003	SN	0	0	3417	17	2484	13	28	7			
	GN	0	0	210	15	118	8	27	5			
2002	SN	2	2	2882	19	3559	9	32	11			
	GN	7	2	294	15	218	13	43	11			
2001	SN	2	1	1031	15	5380	15	64	11			
	GN	0	0	244	11	393	19	86	15			
2000	SN	15	4	2321	13	544	9	57	12			
	GN	0	0	282	17	5150	19	54	11			
1999	SN	1	5	3300	12	544	9	164	3			
	GN	0	0	1001	17	238	3	0	11			
1998	SN	5	11	1197	15	26	2	6	0			
	GN	12	2	204	16	1041	6	47	2			
1997	SN	536	23	2759	9	0	0	4	3			
	GN	313	8	809	23	9558	21	269	0			
1996	SN	19	18	4433	15	172	11	25	20			
	GN	79	15	1117	36	13487	25	507	13			
1995	SN	270	29	4305	20	975	14	347	26			
	GN	322	7	2536	31	12062	19	434	19			
1994	SN	82	16	3443	15	484	9	154	22			
	GN	164	7	698	23	8130	20	430	13			
1993	SN	26	15	3692	9	0	0	5	12			
	GN	15	15	1816	43	10909	22	183	1			
1992	SN	68	21	2527	16	329	12	71	22			
	GN	239	16	1016	31	12110	25	368	13			
1991	SN	16	13	1813	18	197	10	128	24			
	GN	64	5	2958	36	10931	25	375	17			
1990	SN	12	17	977	18	178	7	228	24			
	GN	215	17	556	28	8583	32	282	18			
1989	SN	20	11	1525	15	60	20	296	21			
	GN	78	11	1059	26	8638	28	428	15			
1988	SN	56	18	727	18	70	18	87	22			
	GN	190	16	888	15	14141	23	305	17			
1987	SN	39	13	1015	19	273	4	229	15			
	GN	156	13	1780	18	5803	17	192	13			
1986	SN	345	27	1125	25	215	7	269	12			
	GN	328	35	1221	24	6095	21	529	23			
1985	SN	74	24	813	21	94	8	389	22			
	GN	241	24	1099	17	12504	26	169	16			
1984	SN	18	27	2929	23	819	9	241	12			
	GN	543	27	1580	20	7705	22	435	15			
1983	SN	6	12	2377	22	781	6	355	14			
	GN	108	12	2157	22	4699	15	501	14			
1982	SN			3155	34	0	0	55	14			
	GN			1649	34	8799	18	548	17			
1981	SN			2127	26	827	6	197	17			
	GN			1189	26	13170	26	552	11			
1980	SN			2980	20	401	8	49	11			
	GN			912	20	5726	13	852	15			
AVG 98-07	GN	3	3	2521	15	2780	10	52	5			
	SN	2	1	367	13	228	8	35	8			
TOTAL		5	4	2890	28	3009	18	88	14			
	GN	104	17	2845	28	8705	20	290	17			
AVG 90-99	SN	142	9	1271	15	242	8	128	11			
	TOTAL	246	26	4116	43	8947	28	416	28			
AVG 80-99	GN	80	19	1877	23	8728	21	451	16			
	SN	234	20	1353	21	347	7	203	15			
TOTAL		315	39	3231	45	9075	28	654	31			
*DAYS FISHING: REPRESENTS HOURS FISHING AS A PORTION OF A CALENDAR YEAR												

*DAYS FISHING: REPRESENTS HOURS FISHING AS A PORTION OF A 24-HOUR DAY.

Table 31. Annual escapement data for Canadian Area 1 (2008 is preliminary).

YEAR	SOCKEYE	PINK	CHUM
*2008	9,100	607,750	600
2007	8,500	0	1,950
2006	26,700	250,250	18,300
2005	1,500	2	1,650
2004	10,000	177,500	4,002
2003	7,500	0	34,081
2002	9,850	938,003	7,000
2001	3,900	1	3,804
2000	19,200	465,000	13,520
1999	15,550	2,700	33,000
1998	14,000	747,200	32,100
1997	12,000	0	31,050
1996	19,300	2,924,000	8,725
1995	7,100	1,000	19,655
1994	8,700	647,000	32,150
1993	500	350	50,060
1992	12,100	994,800	8,300
1991	4,400	600	1,000
1990	200	1,389,560	4,700
1989	11,200	1,300	18,975
1988	23,600	566,100	29,950
1987	9,100	4,500	51,100
1986	13,500	838,500	62,500
1985	43,200	1,875	63,800
1984	18,500	1,213,900	52,775
1983	19,500	2,130	35,225
1982	28,500	362,000	70,800
1981	23,000	3,650	26,100
1980	33,200	290,795	14,768
1979	20,650	3,250	32,450
1978	20,300	217,500	56,200
1977	36,750	4,900	60,300
1976	40,900	285,050	53,500
1975	16,500	3,950	53,050
1974	39,000	201,400	41,800
1973	38,000	4,000	50,000
1972	17,500	329,900	8,600
1971	16,500	6,050	44,500
1970	26,500	432,650	24,800
Averages			
1970-74	27,500	194,800	33,940
1975-79	27,020	102,930	51,100
1980-84	24,540	374,495	39,934
1985-89	20,120	282,455	49,265
1990-94	5,180	606,462	18,842
1995-99	13,590	734,980	24,546
1997-06	12,020	256,166	17,861

Table 32. Annual escapement data for Canadian Area 3 (2008 is preliminary).

YEAR	SOCKEYE	COHO	PINK	CHUM	CHINOOK
2008*	218,075	4,967	58,742	14,649	5,509
2007	165,063	47,640	586,664	17,207	26,993
2006	250,842	88,746	130,425	44,891	25,675
2005	226,022	94,554	944,415	30,001	14,969
2004	217,271	60,728	542,500	54,033	16,460
2003	199,458	18,254	841,856	40,002	31,009
2002	338,679	30,224	596,264	17,813	17,639
2001	117,892	26,386	828,632	30,472	34,520
2000	138,042	17,339	322,980	20,718	20,144
1999	217,551	13,216	464,775	33,427	12,524
1998	193,810	9,781	147,940	138,440	24,673
1997	237,312	3,989	216,527	20,302	19,807
1996	219,825	12,753	315,180	22,890	22,943
1995	237,991	13,967	349,017	40,451	8,811
1994	178,282	15,329	155,356	33,199	24,890
1993	440,740	7,510	314,102	79,951	25,851
1992	645,964	16,118	196,808	15,684	17,716
1991	289,850	16,777	388,100	23,835	7,924
1990	155,472	38,510	154,968	30,960	26,511
1989	112,609	20,680	641,270	33,789	29,185
1988	136,790	10,551	185,065	47,050	16,840
1987	184,242	31,652	371,866	31,387	21,459
1986	187,251	34,910	375,245	34,900	38,681
1985	361,206	44,539	508,855	48,971	19,512
1984	182,450	67,650	531,035	67,425	24,567
1983	185,150	36,360	736,205	45,115	15,738
1982	306,070	31,055	427,135	28,476	10,772
1981	255,818	34,429	204,425	16,508	14,200
1980	155,515	22,405	130,777	54,794	14,908
1979	212,944	18,655	50,625	42,313	13,151
1978	147,718	33,100	401,445	75,970	16,635
1977	400,371	35,805	229,155	57,775	15,788
1976	143,405	32,700	158,175	64,650	5,590
1975	70,874	15,410	141,758	30,550	6,025
1974	193,703	16,435	84,915	121,570	3,775
1973	294,682	9,400	70,786	66,025	3,580
1972	178,716	20,850	244,250	81,125	18,800
1971	247,524	44,325	136,525	28,825	17,000
1970	115,503	43,300	224,750	35,400	18,250
Averages					
1970-74	204,026	26,862	152,245	66,589	12,475
1975-79	195,062	27,094	196,232	54,252	11,838
1980-84	217,001	38,380	406,315	42,664	16,037
1985-89	196,414	28,468	416,460	39,215	25,133
1990-94	336,258	16,849	241,867	36,730	26,570
1995-99	221,298	10,741	298,684	51,102	17,752
1997-06	213,698	26,320	503,632	42,990	21,942

Table 33. Annual escapement data for Canadian Area 4 (2008 is preliminary).

YEAR	SOCKEYE	PINK	CHUM
2008*	958,295	65,181	510
2007	1,035,634	627,423	474
2006	1,340,257	116,097	685
2005	703,959	1,213,770	2,335
2004	960,251	647,921	1,340
2003	1,211,762	1,517,355	1,782
2002	625,215	543,880	3,030
2001	1,508,045	1,017,612	8,620
2000	1,410,296	260,481	4,650
1999	624,366	1,095,152	2,650
1998	521,417	272,871	14,664
1997	984,947	484,476	21,750
1996	1,727,147	2,025,661	8,404
1995	1,720,292	1,641,489	7,928
1994	1,026,816	242,035	7,967
1993	1,629,426	663,888	10,052
1992	1,550,109	821,950	11,285
1991	1,232,568	4,797,937	4,680
1990	989,566	2,611,520	8,343
1989	1,137,994	4,675,527	20,331
1988	1,417,543	828,090	108,921
1987	1,324,128	3,180,414	7,652
1986	716,312	2,323,944	12,780
1985	2,174,806	2,042,150	12,198
1984	1,055,215	1,037,698	29,764
1983	893,724	2,610,074	1,667
1982	1,140,737	739,247	4,626
1981	1,424,509	1,187,835	9,385
1980	542,164	745,367	25,007
1979	1,166,236	515,563	5,705
1978	424,075	724,597	8,153
1977	951,805	976,527	10,927
1976	575,590	693,850	11,071
1975	822,633	1,767,907	10,375
1974	723,898	367,605	14,102
1973	820,196	1,260,186	25,476
1972	697,237	1,765,154	36,920
1971	821,850	1,173,381	5,232
1970	578,652	971,800	10,890
Averages			
1970-74	728,367	1,107,625	18,524
1975-79	788,068	935,689	9,246
1980-84	1,011,270	1,264,044	14,090
1985-89	1,354,157	2,610,025	32,378
1990-94	1,285,697	1,827,466	8,065
1995-99	1,115,634	1,103,930	11,079
1998-07	994,120	731,256	4,023

Table 34. Annual escapement data for Canadian Area 5 (2008 is preliminary).

YEAR	SOCKEYE	PINK	CHUM
2008*	2,600	22,049	2,141
2007	14,150	111,200	1,125
2006	23,620	29,490	3,328
2005	14,000	277,400	2,600
2004	13,600	95,370	2,790
2003	42,850	233,825	4,110
2002	9,500	406,810	4,910
2001	21,500	395,650	3,080
2000	22,600	278,150	1,070
1999	23,500	313,450	900
1998	10,450	161,250	9,250
1997	28,400	68,750	2,260
1996	24,100	270,100	3,200
1995	8,700	90,900	3,880
1994	6,800	44,725	870
1993	33,150	39,475	1,795
1992	22,895	41,161	731
1991	32,035	70,160	4,113
1990	5,676	202,244	3,607
1989	21,900	178,500	4,750
1988	33,400	162,000	12,750
1987	26,550	127,950	10,175
1986	25,000	313,900	16,450
1985	37,250	176,075	11,765
1984	17,150	162,450	6,830
1983	12,450	81,025	4,596
1982	19,450	70,300	7,370
1981	16,000	121,850	3,120
1980	16,800	225,825	9,350
1979	16,000	43,000	13,950
1978	28,650	264,850	13,775
1977	11,400	110,275	32,170
1976	19,050	348,450	19,625
1975	50,000	170,375	10,075
1974	43,925	337,075	34,025
1973	32,425	56,375	18,975
1972	24,400	280,725	17,725
1971	55,225	80,761	25,625
1970	23,750	139,850	12,250
<hr/>			
Averages			
1970-74	35,945	178,957	21,720
1975-79	25,020	187,390	17,919
1980-84	16,370	132,290	6,253
1985-89	28,620	191,685	11,178
1990-94	20,111	79,553	2,223
1995-99	19,030	180,890	3,898
1997-06	21,002	226,015	3,430

FIGURES

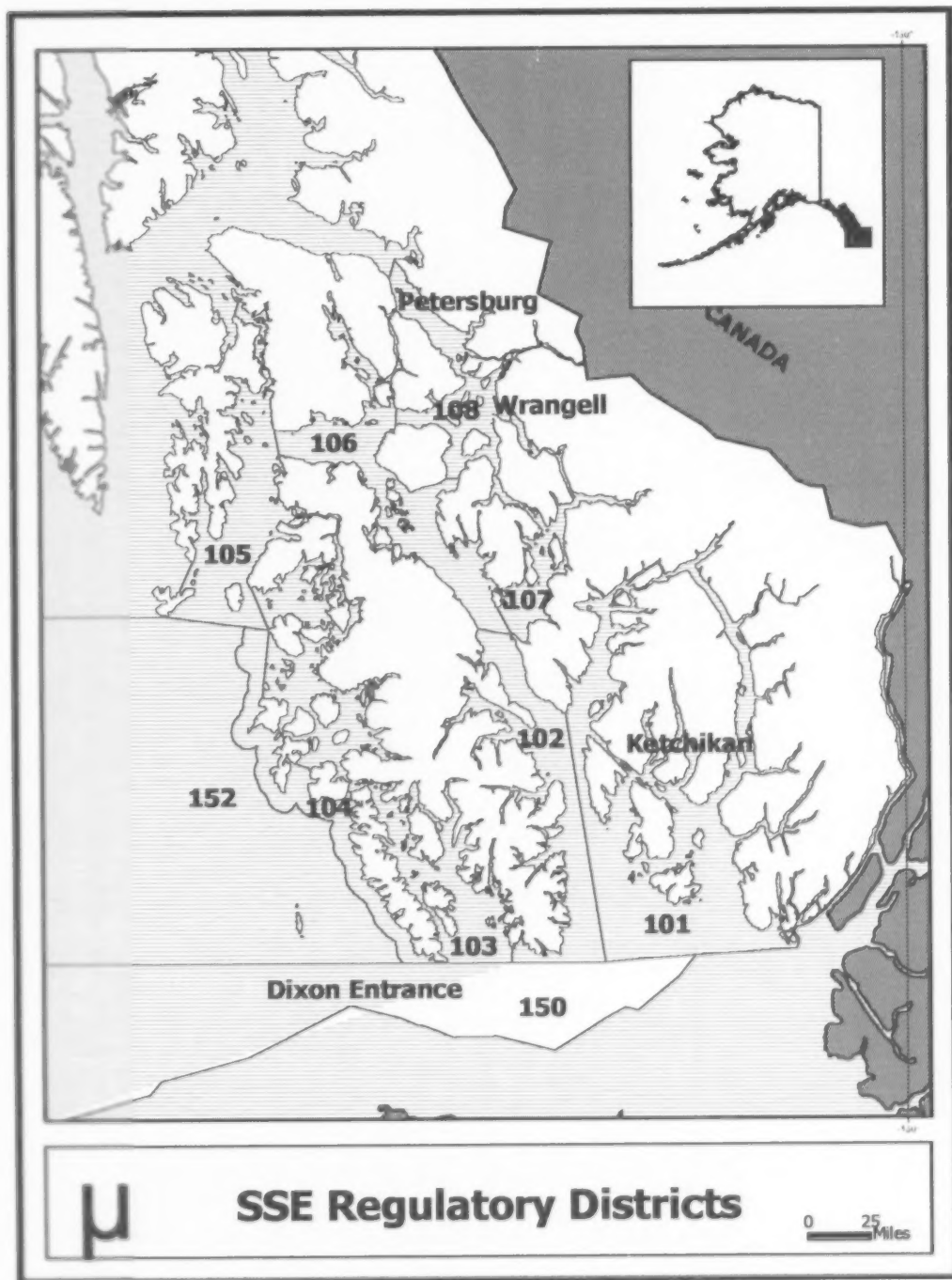


Figure 1. Alaska Department of Fish and Game Southern Southeast Alaska regulatory districts.

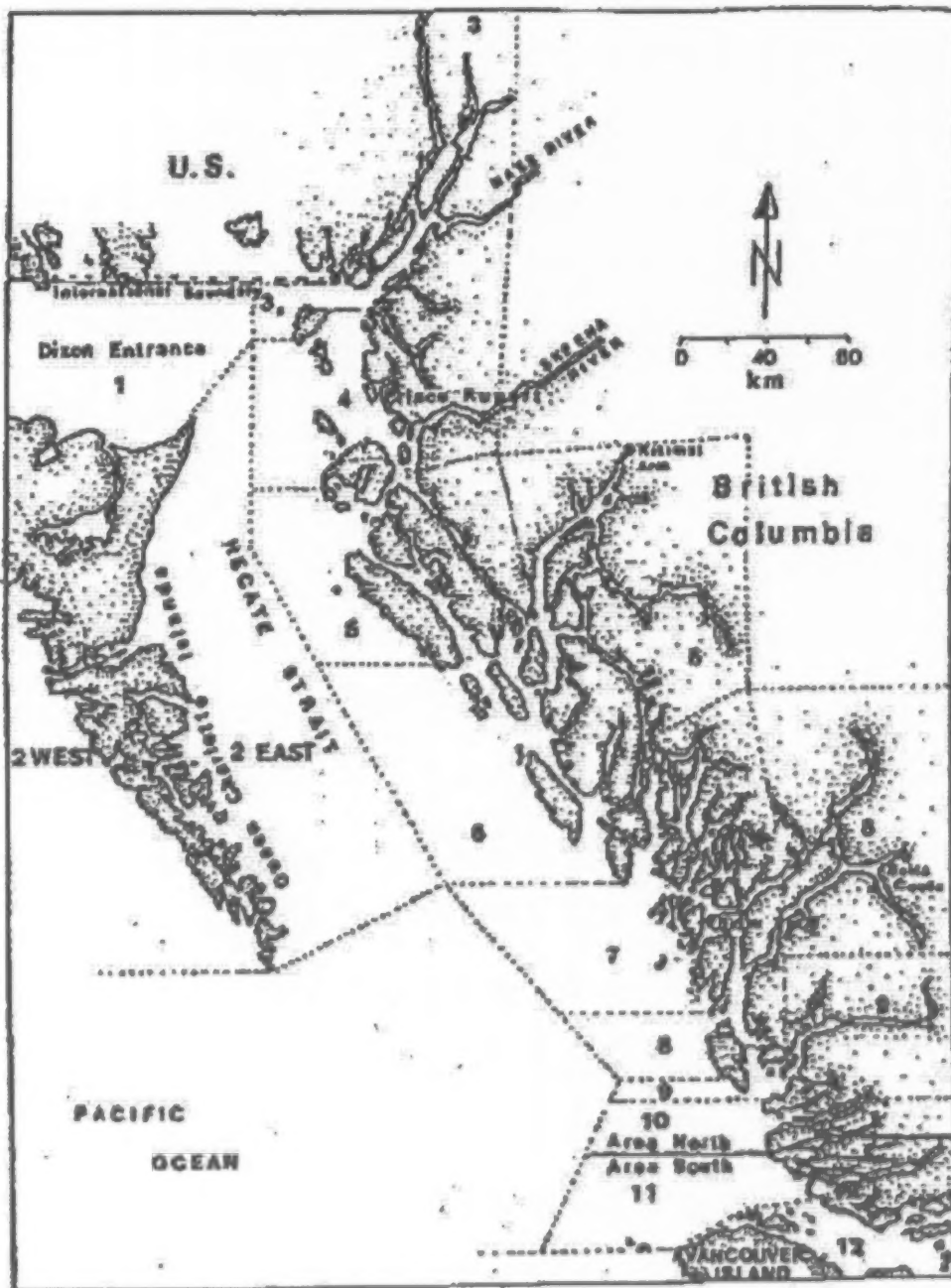


Figure 2. Canadian Department of Fisheries and Oceans Statistical Areas 1-10, Northern British Columbia.

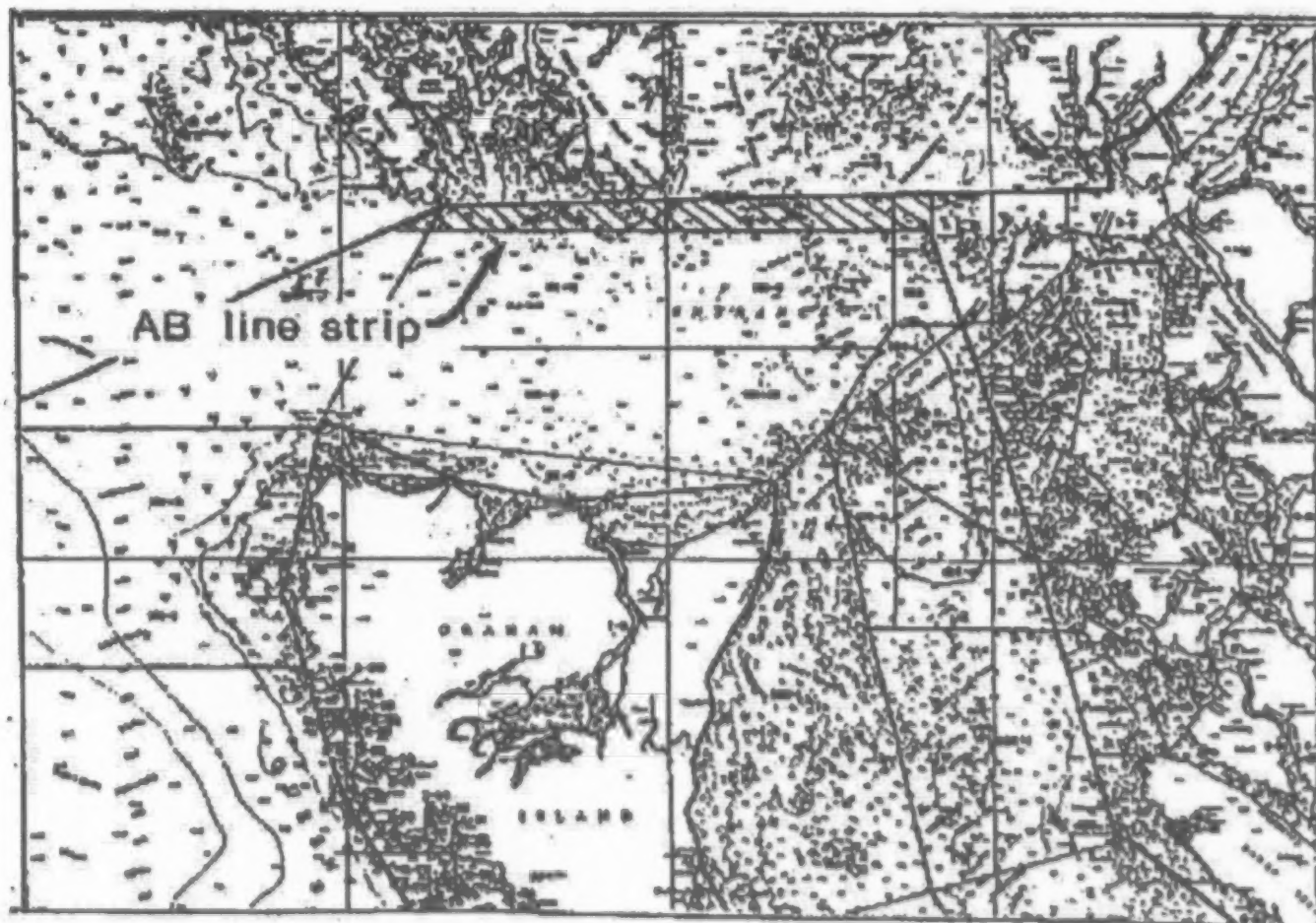


Figure 3. Canadian Department of Fisheries and Oceans Statistical Area 1 management sub-areas.

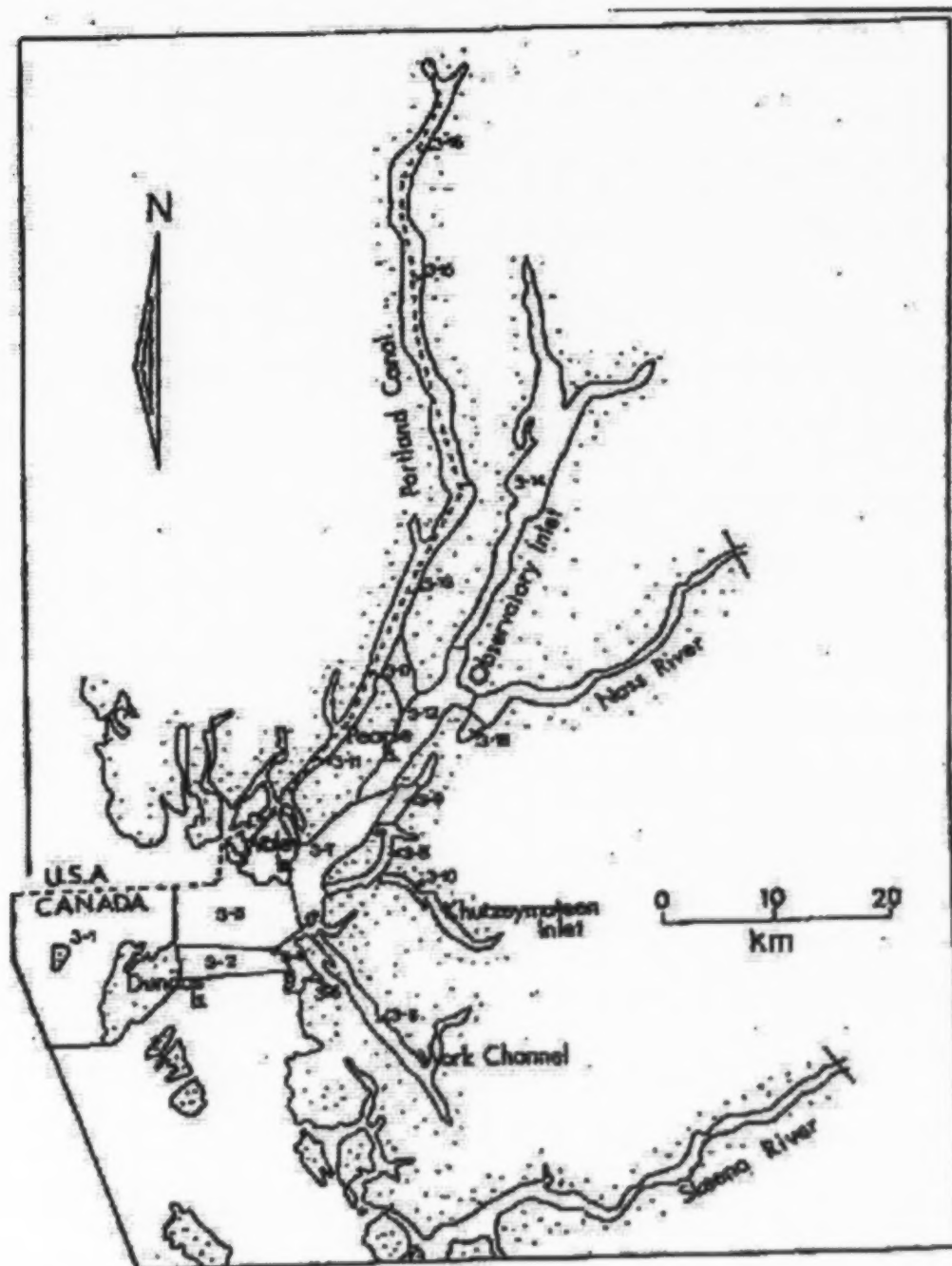


Figure 4. Canadian Department of Fisheries and Oceans Statistical Area 3 management sub-areas.